APPENDIX 15

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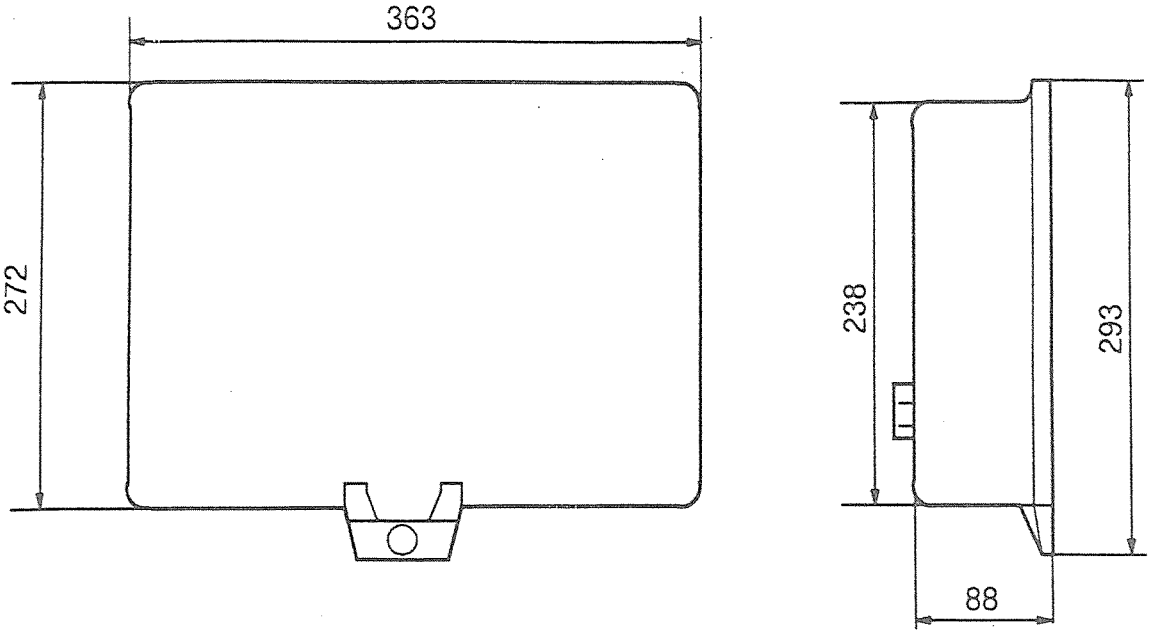
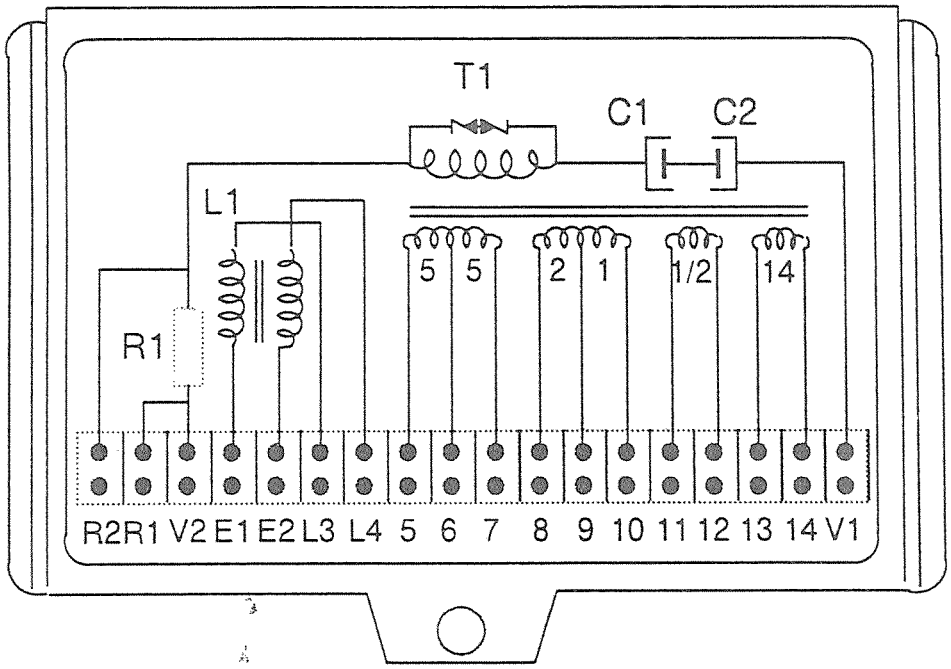
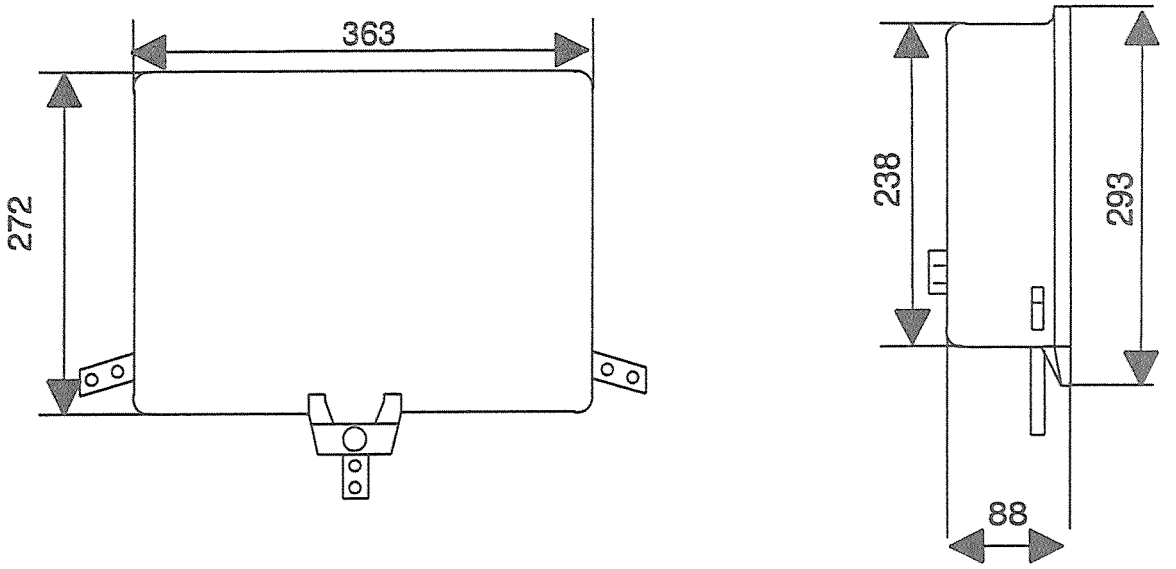


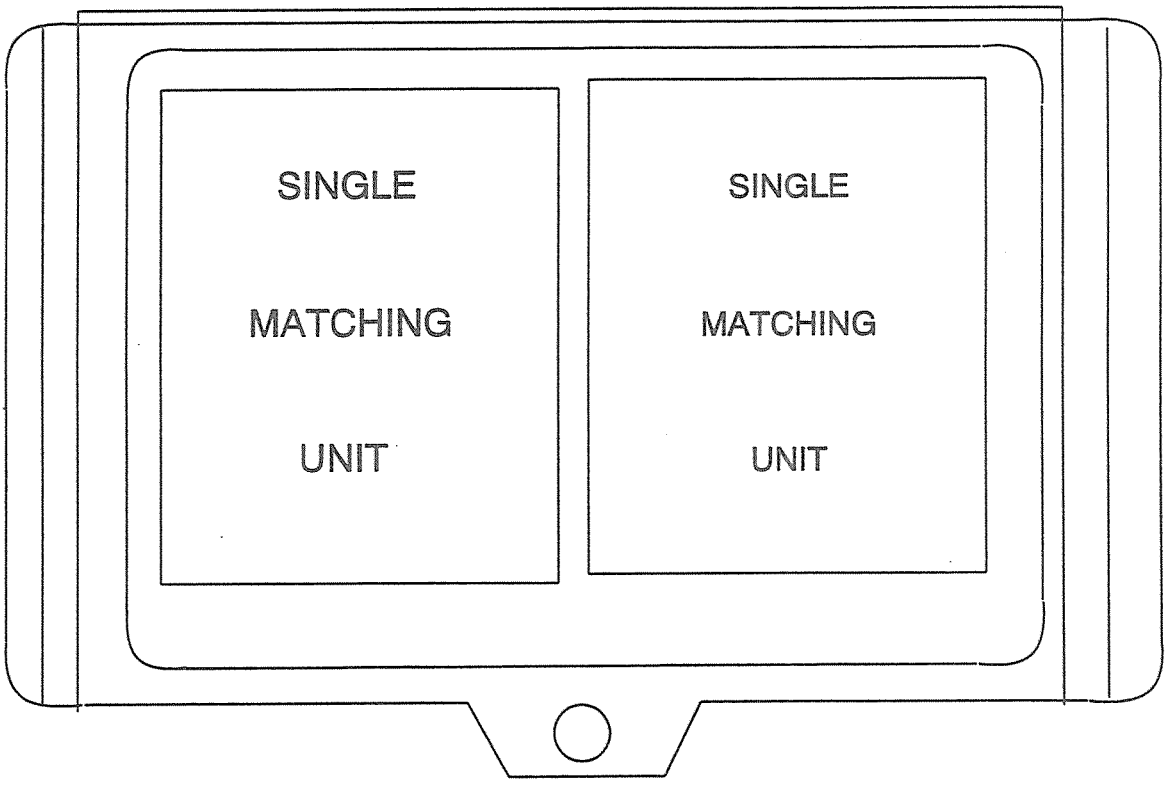


SIMPLE MATCHING UNIT (M.U)

PRESENTATION AND MEASUREMENTS

CS TRANSPORT





DOUBLE MATCHING UNIT (M.U.)
PRESENTATION AND MEASUREMENTS

A022B

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APPENDIX 16

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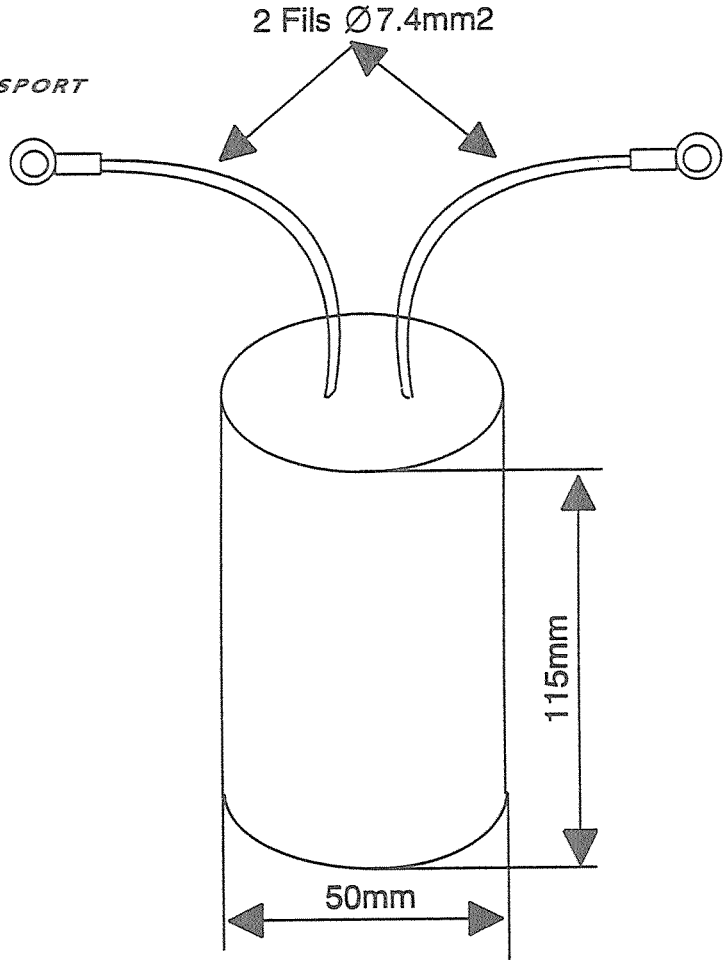
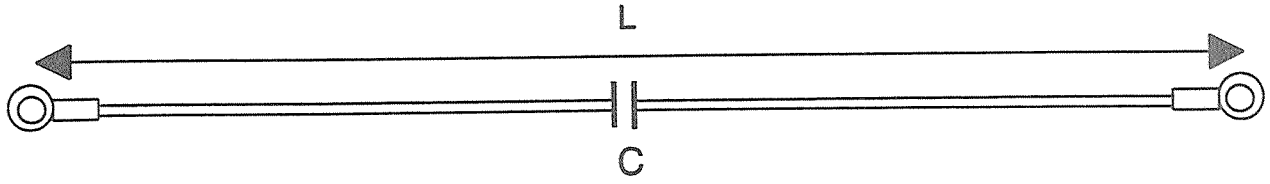


Track Gauge (m)	L (m)
1.06	1.65
1.44	2.10
1.60	2.40



COMPENSATION CAPACITOR

PRESENTATION AND MEASUREMENTS

A023

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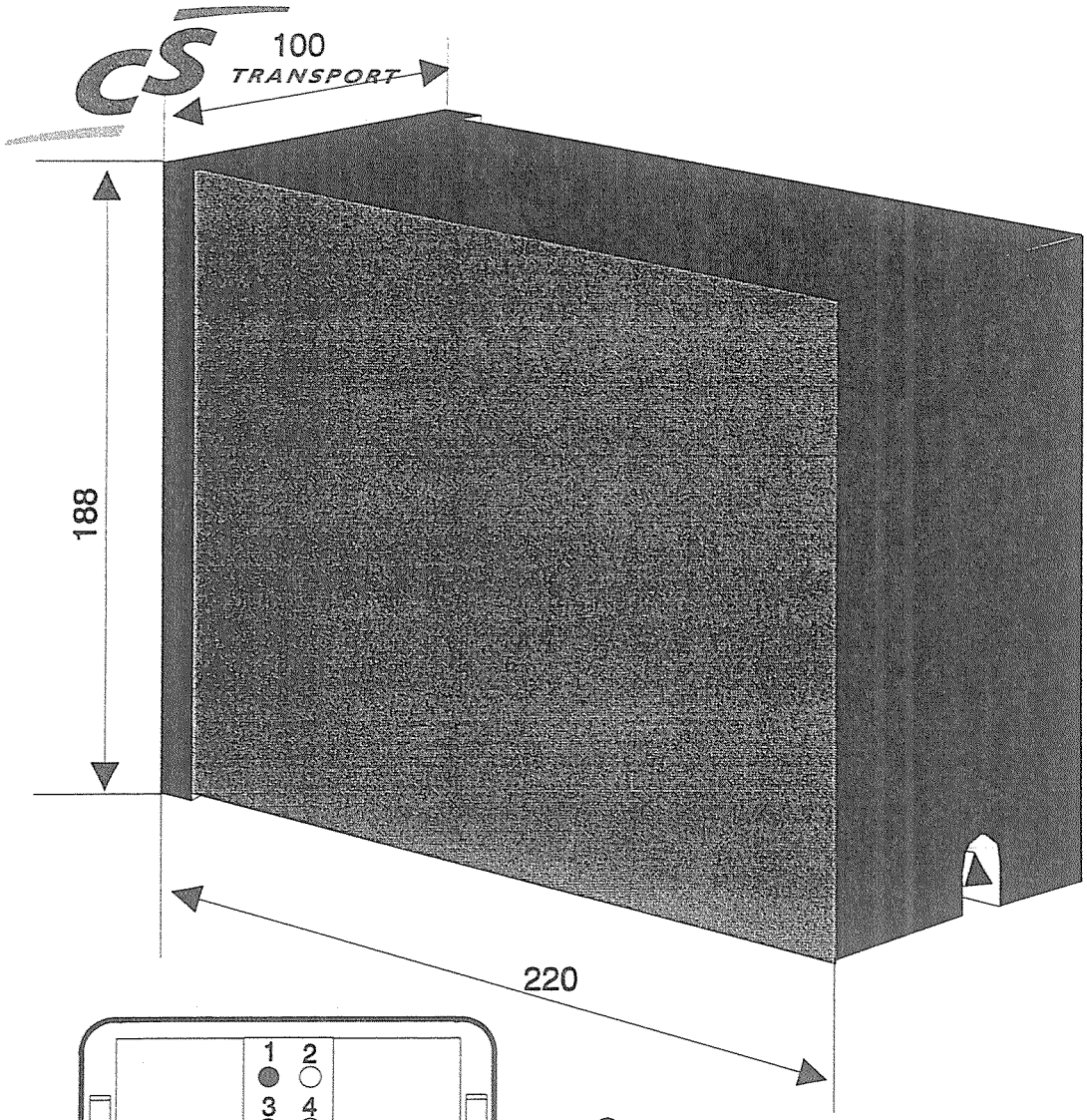

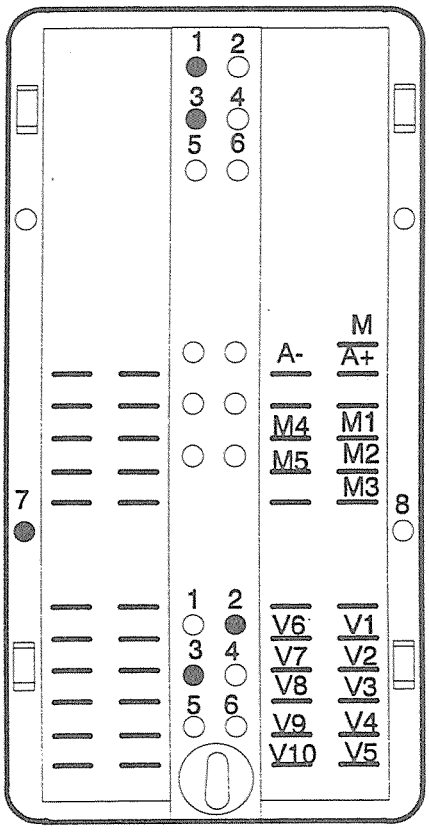

● Coding lug

Pins on the equipment with the corresponding open slot on the frame panel or the fixed parts of the connector

○ No coding lug

Pins removed from the equipment with the corresponding occluded slot on the frame panel or the fixed part of the connector

FREQUENCE	CODE
1700 Hz	13-7-23
2300 Hz	13-7-25
2000 Hz	13-7-26
2600 Hz	13-7-34

Example for Transmitter 1700Hz

Rear view

TRANSMITTER UM71

PRESENTATION AND CODING

A024

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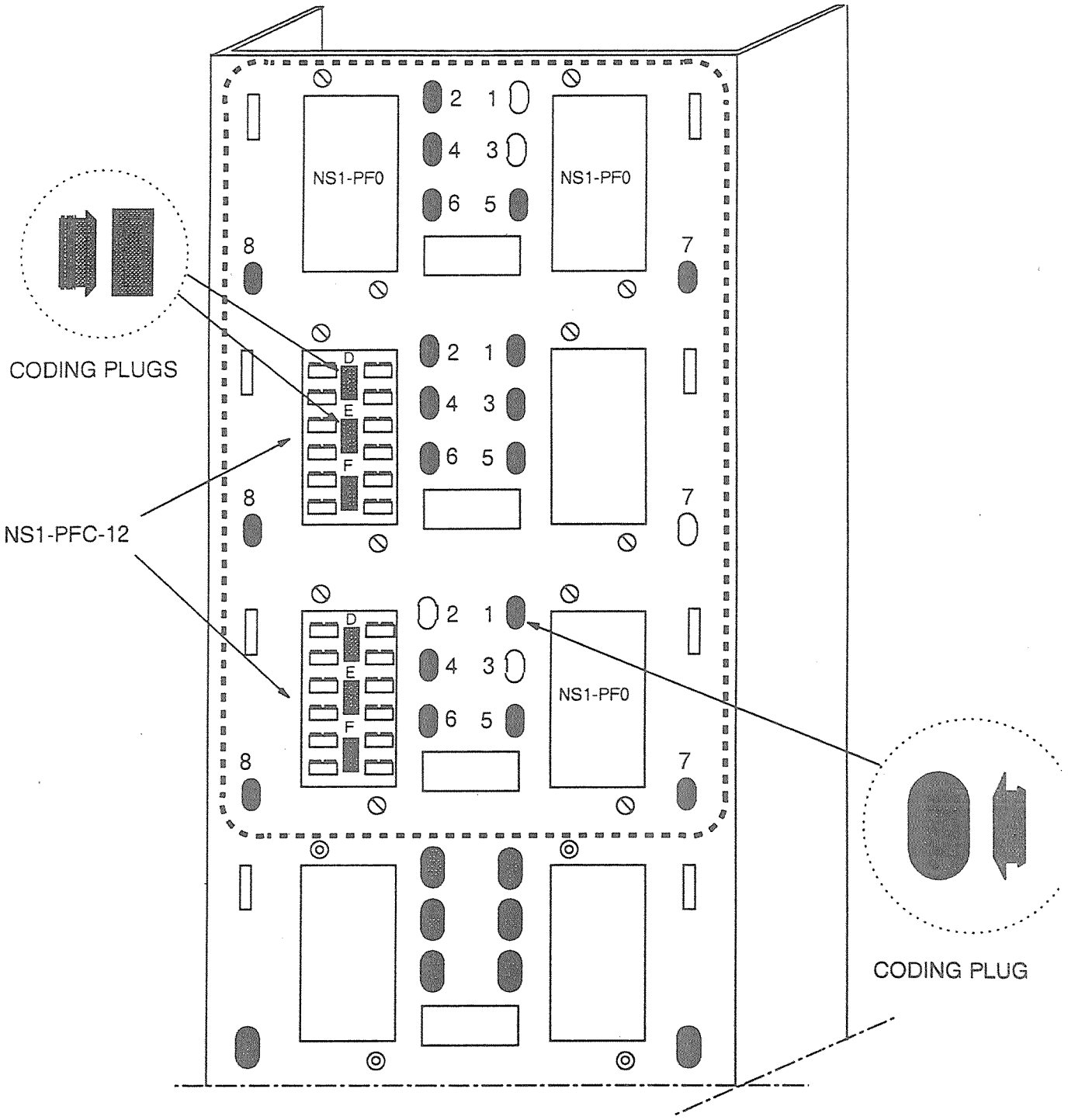

code 13-7-23

SUPPORT PANEL WITH FIXED PARTS OF CONNECTORS

CODING FOR TRANSMITTER 1700Hz

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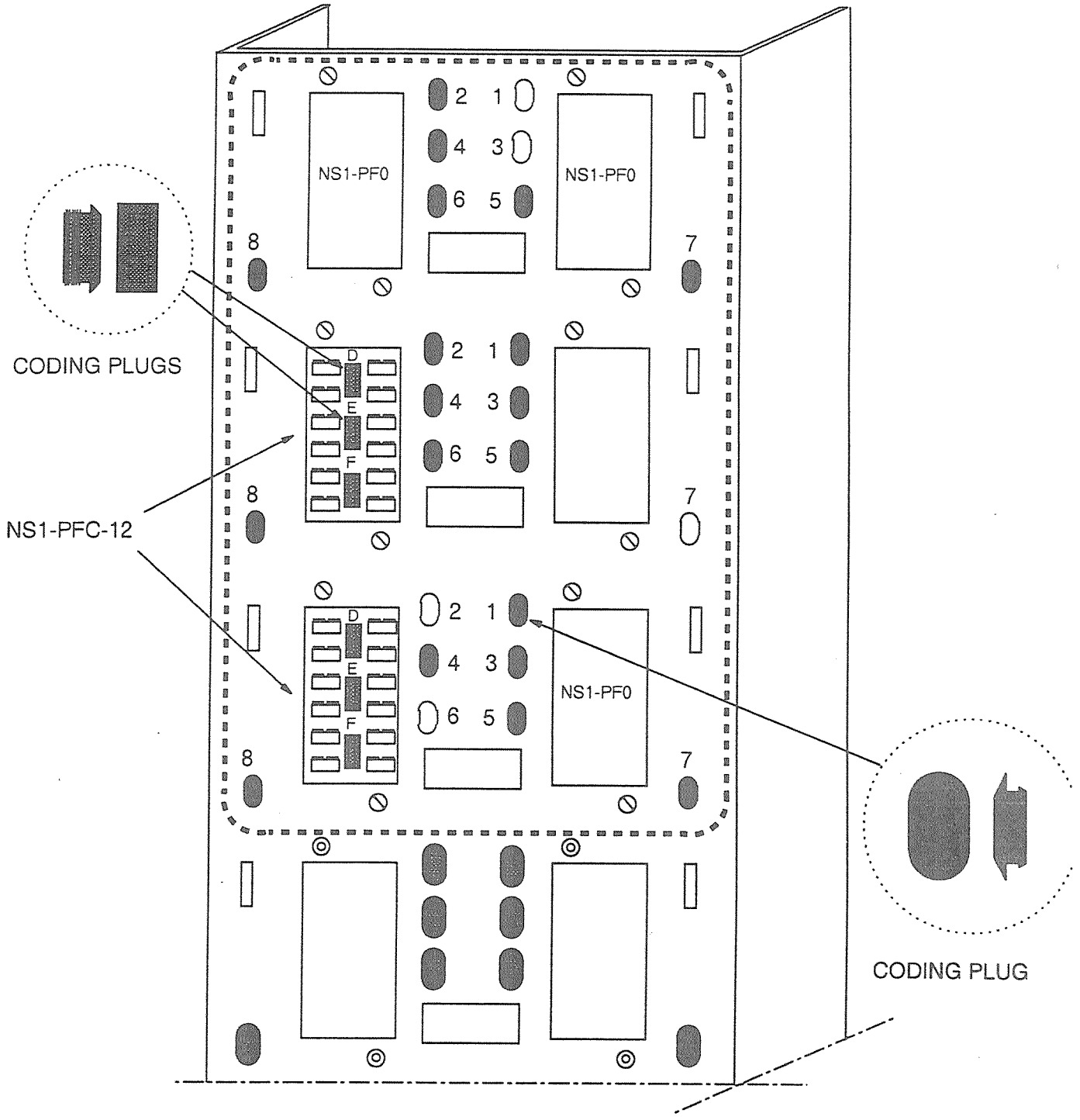

code 13-7-26

SUPPORT PANEL WITH FIXED PARTS OF CONNECTORS

CODING FOR TRANSMITTER 2000Hz

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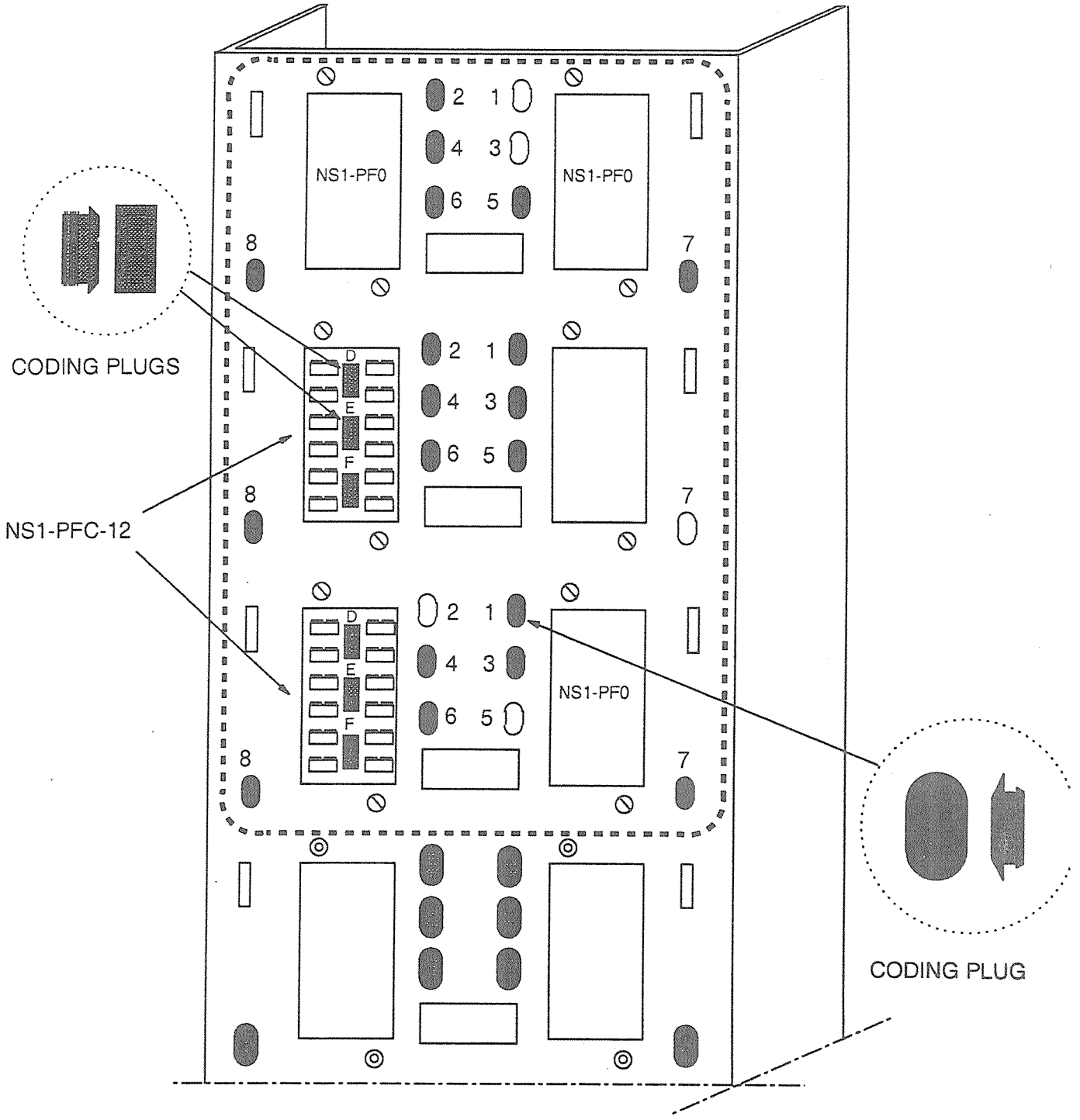

code 13-7-25

SUPPORT PANEL WITH FIXED PARTS OF CONNECTORS

CODING FOR TRANSMITTER 2300Hz

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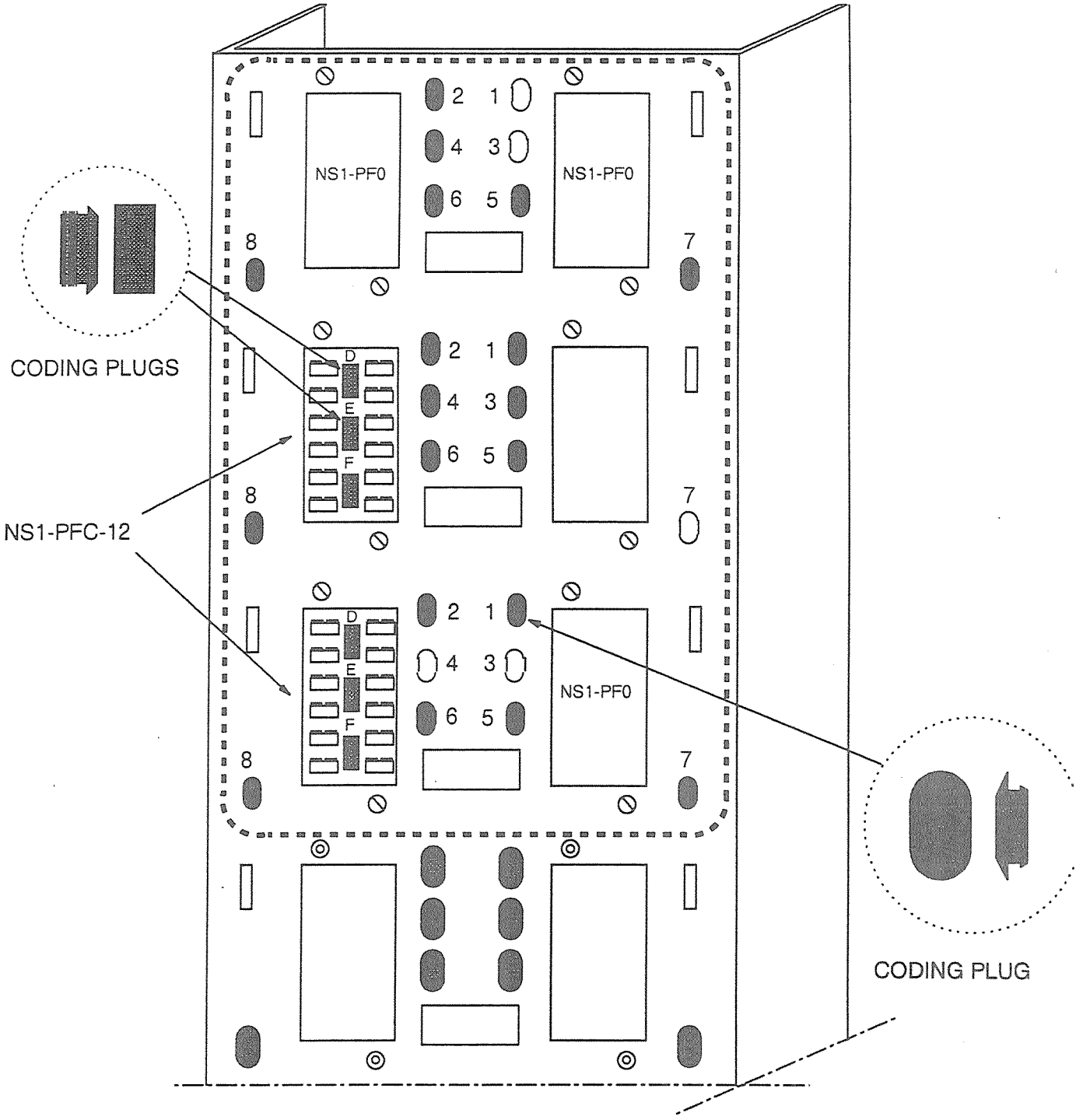

code 13-7-34

SUPPORT PANEL WITH FIXED PARTS OF CONNECTORS

CODING FOR TRANSMITTER 2600Hz

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APPENDIX 18

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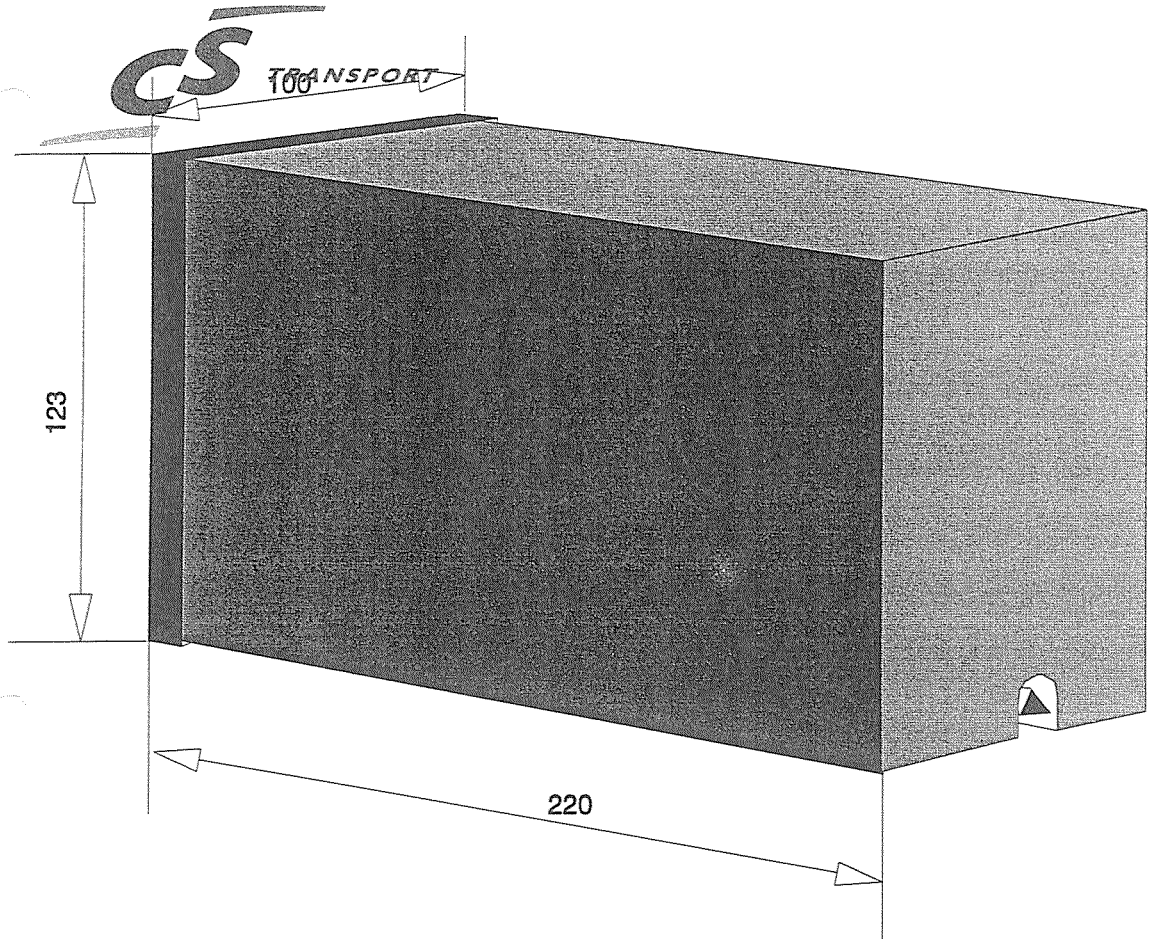

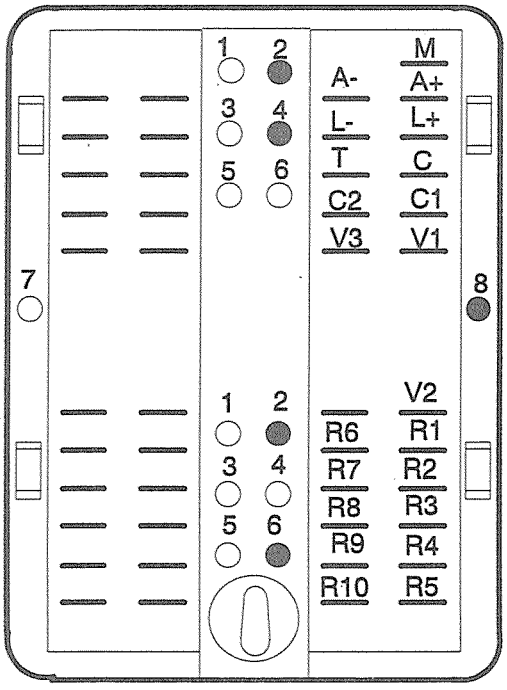

Rear view

● Coding lug

Pins on the equipment with the corresponding open slot on the frame panel or the fixed parts of the connector

○ No coding lug

Pins removed from the equipment with the corresponding occluded slot on the frame panel or the fixed part of the connector

FREQUENCE	CODE
1700 Hz	248-26
2300 Hz	248-34
2000 Hz	248-35
2600 Hz	248-36

Example : Receiver 1700Hz

RECEIVER UM71

PRESENTATION AND CODING

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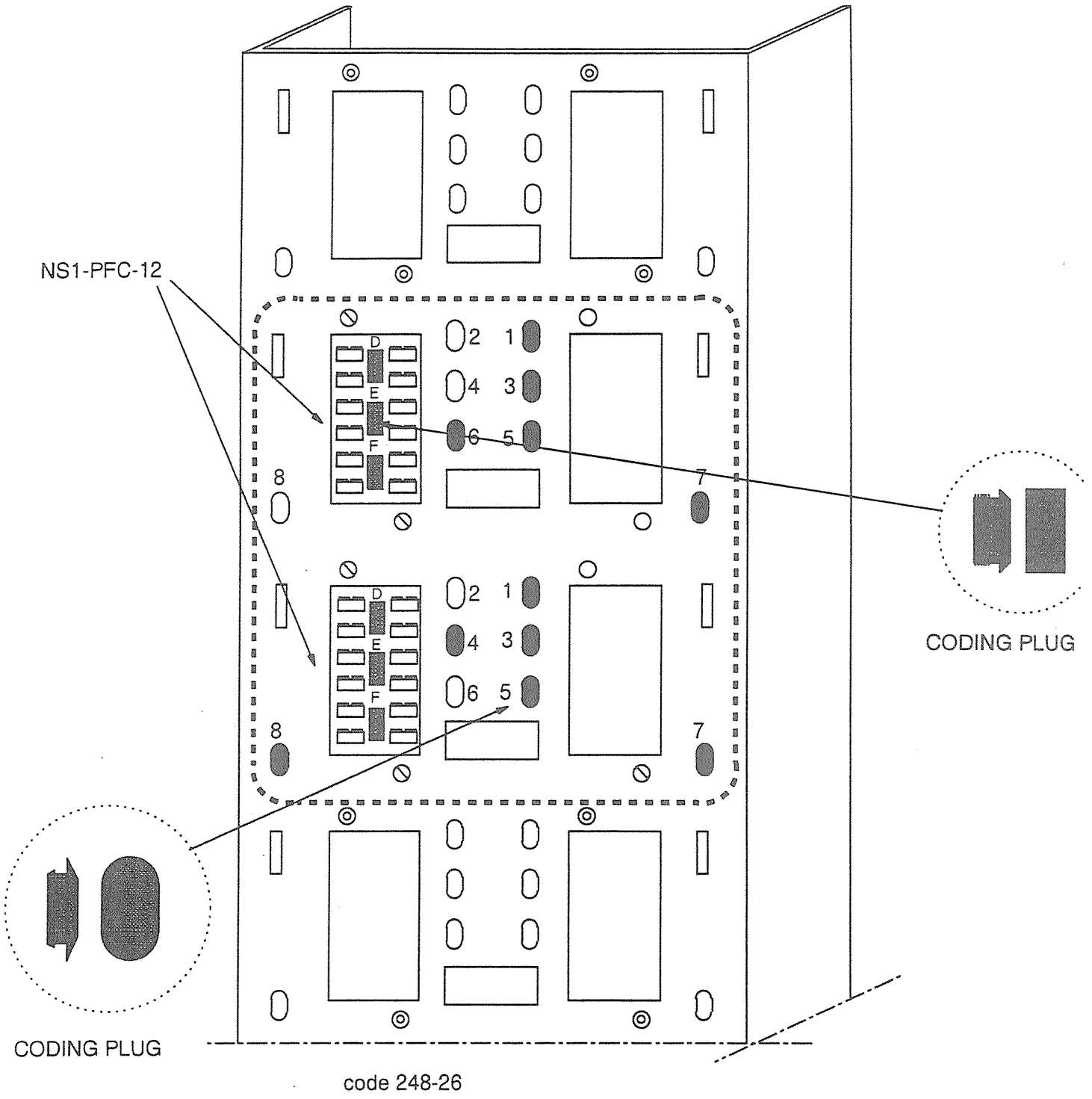

code 248-26

SUPPORT PANEL WITH FIXED PARTS OF CONNECTORS

CODING FOR RECEIVER 1700Hz

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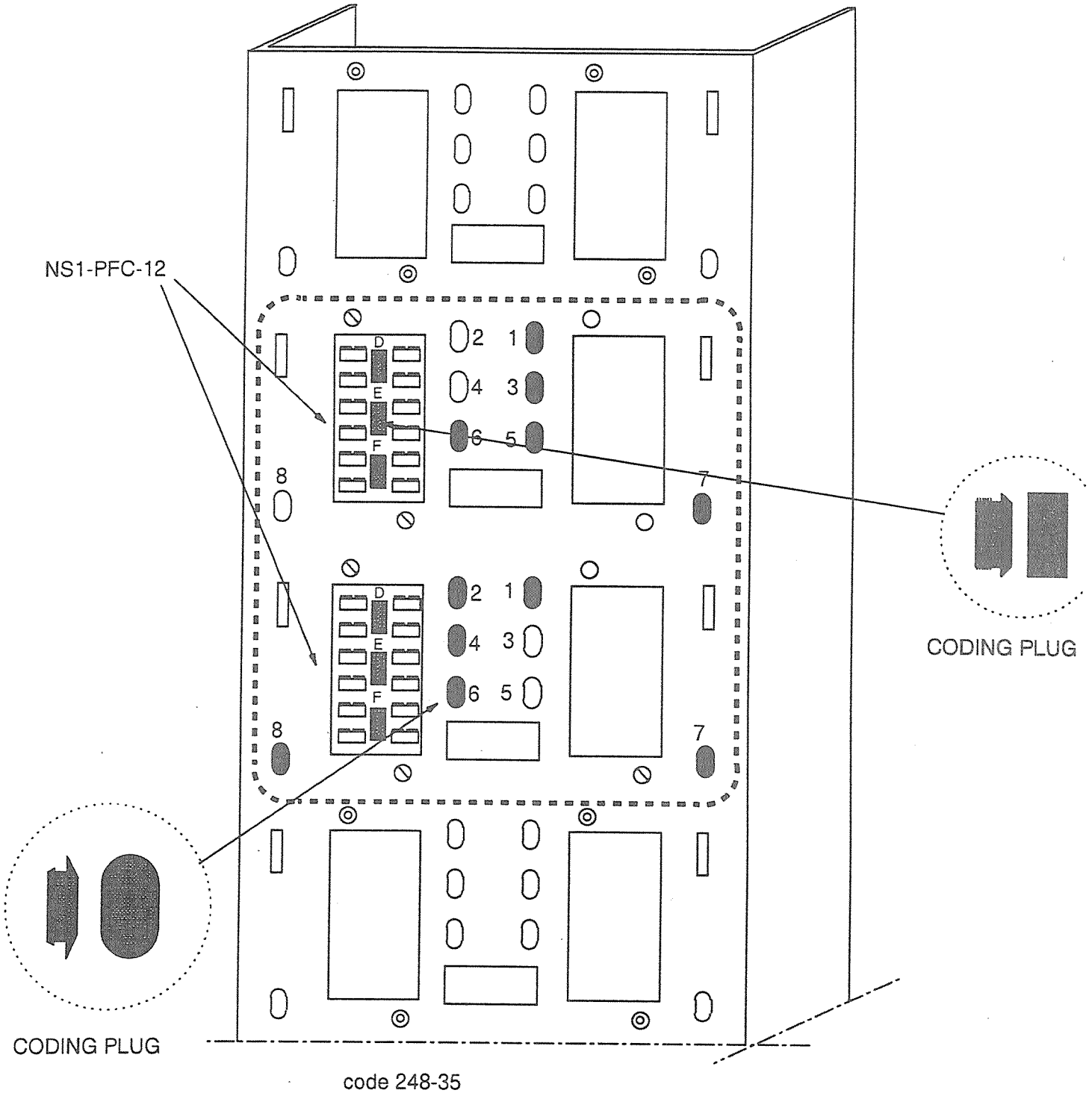

code 248-35

SUPPORT PANEL WITH FIXED PARTS OF CONNECTORS

CODING FOR RECEIVER 2000Hz

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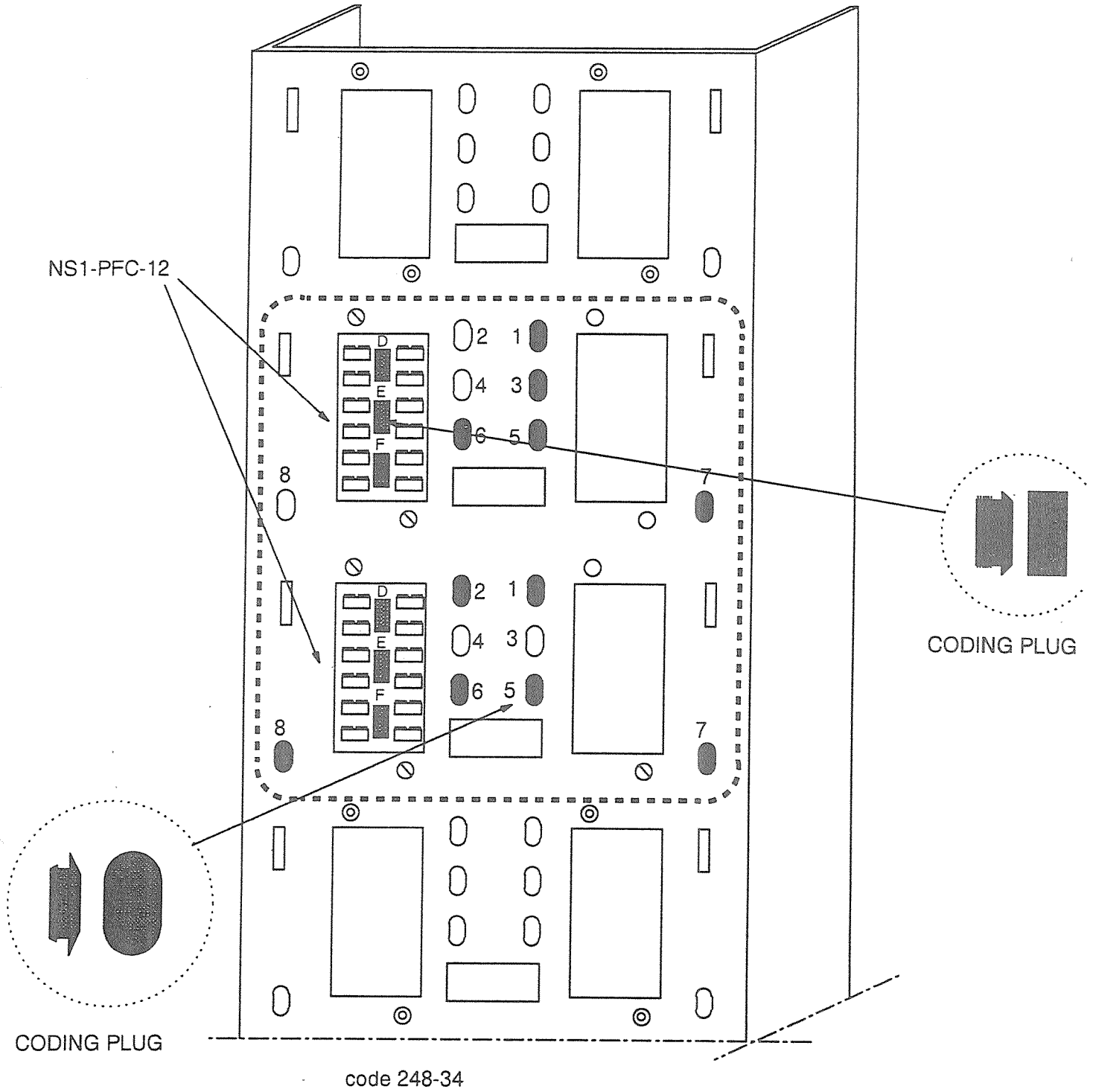

SUPPORT PANEL WITH FIXED PARTS OF CONNECTORS

CODING FOR RECEIVER 2300Hz

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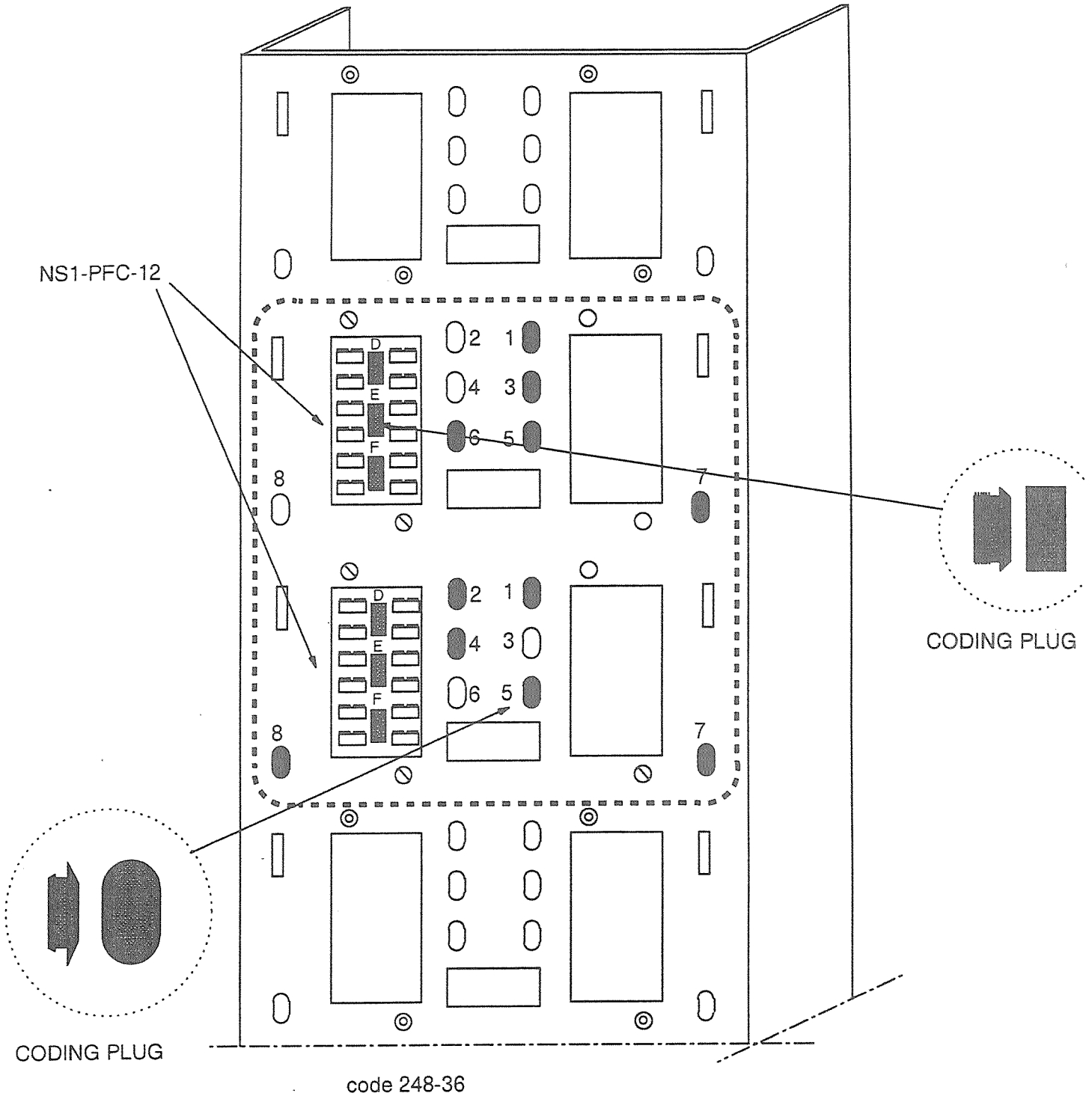

code 248-36

SUPPORT PANEL WITH FIXED PARTS OF CONNECTORS

CODING FOR RECEIVER 2600Hz

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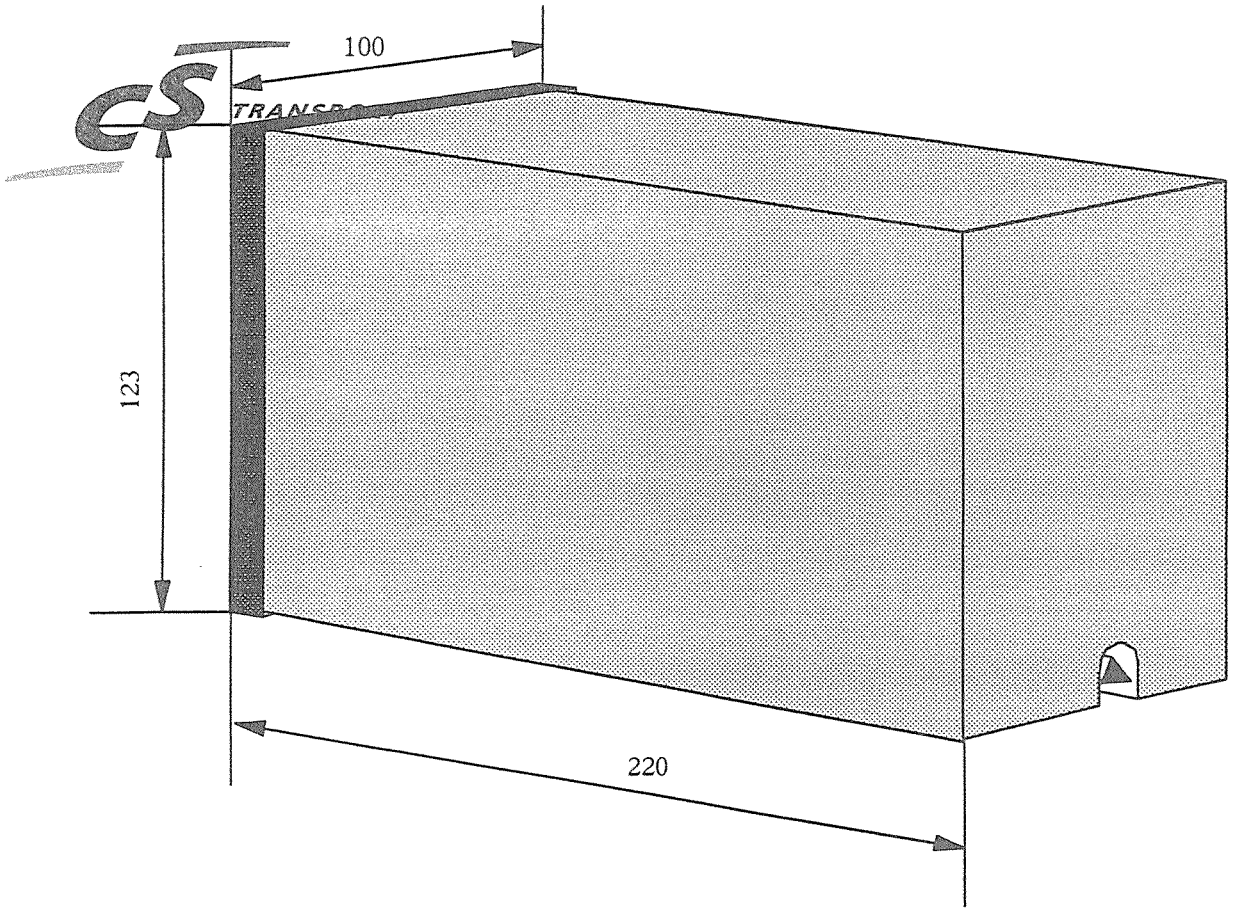

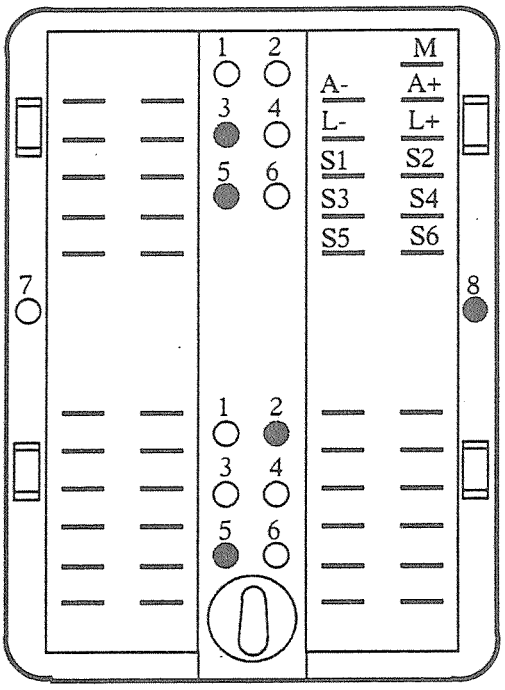

Rear view

code 358-25

● Coding lug

Pins on the equipment with the corresponding open slot on the frame panel or the fixed parts of the connector

○ No coding lug

Pins removed from the equipment with the corresponding occluded slot on the frame panel or the fixed part of the connector

Mains supply 115V AC

- connections
  - cable between S1 and S6
  - strap between S1 and S2
  - " " S3 and S4
  - " " S4 and S5

Mains supply 220V AC

- connections
  - cable between S1 and S4
  - strap between S2 and S3

POWER SUPPLY
PRESENTATION AND CODING

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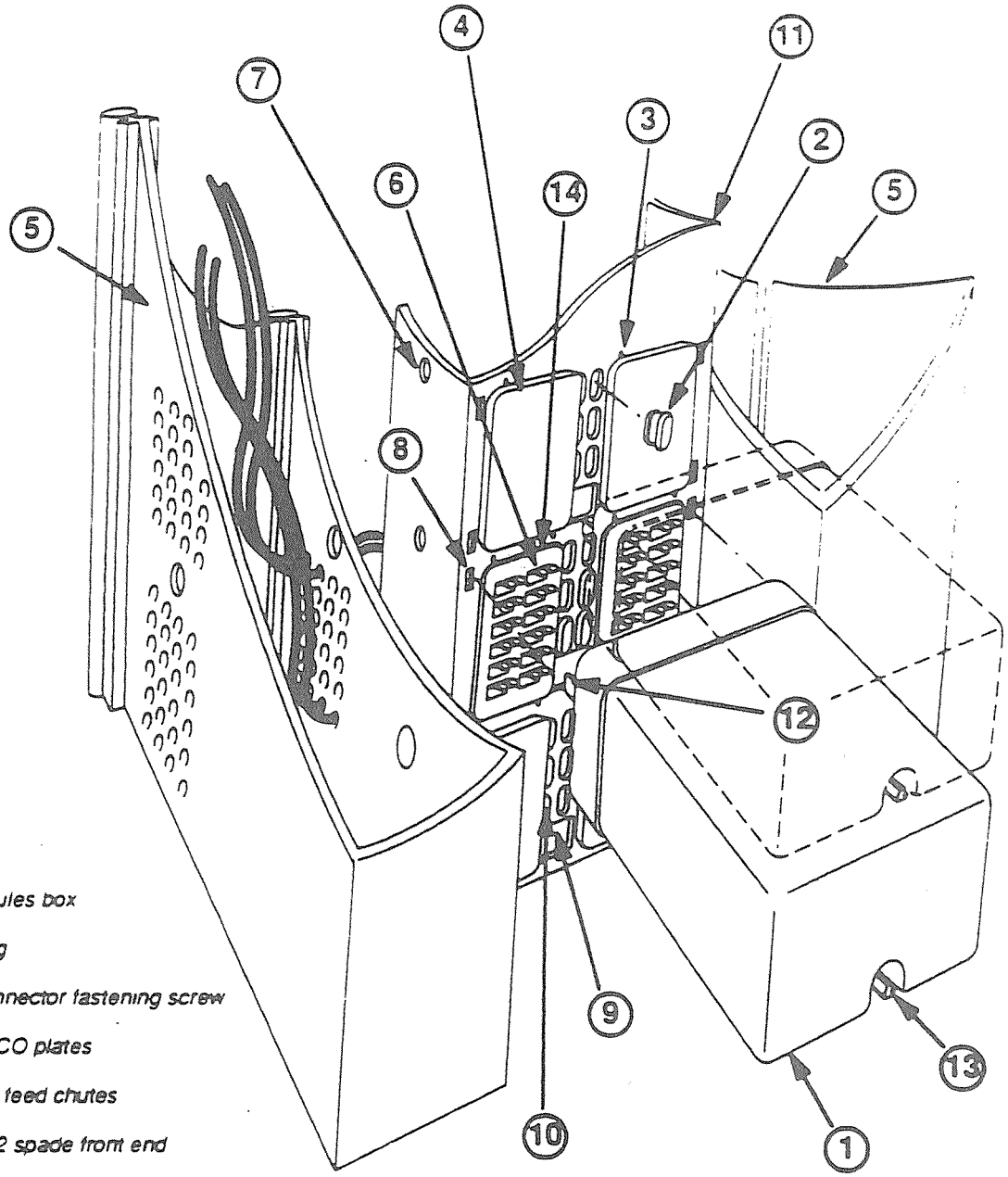
CS TRANSPORT

FRONT VIEW



1. 1 or n Modules box
2. Coding plug
3. PFC12 Connector fastening screw
4. PFO or PFCO plates
5. Wiring wire feed chutes
6. NS1 PFC12 spade front end
7. Chute fastening hole
8. Equipment fastening lug accomodating slot
9. Locking cam feed through openig
10. Coding hole
11. Support panel
12. Fastening lugs
13. Locking cam control rod
14. NS1 PFC12

NS1 ASSEMBLING WIRING
FRONT VIEW

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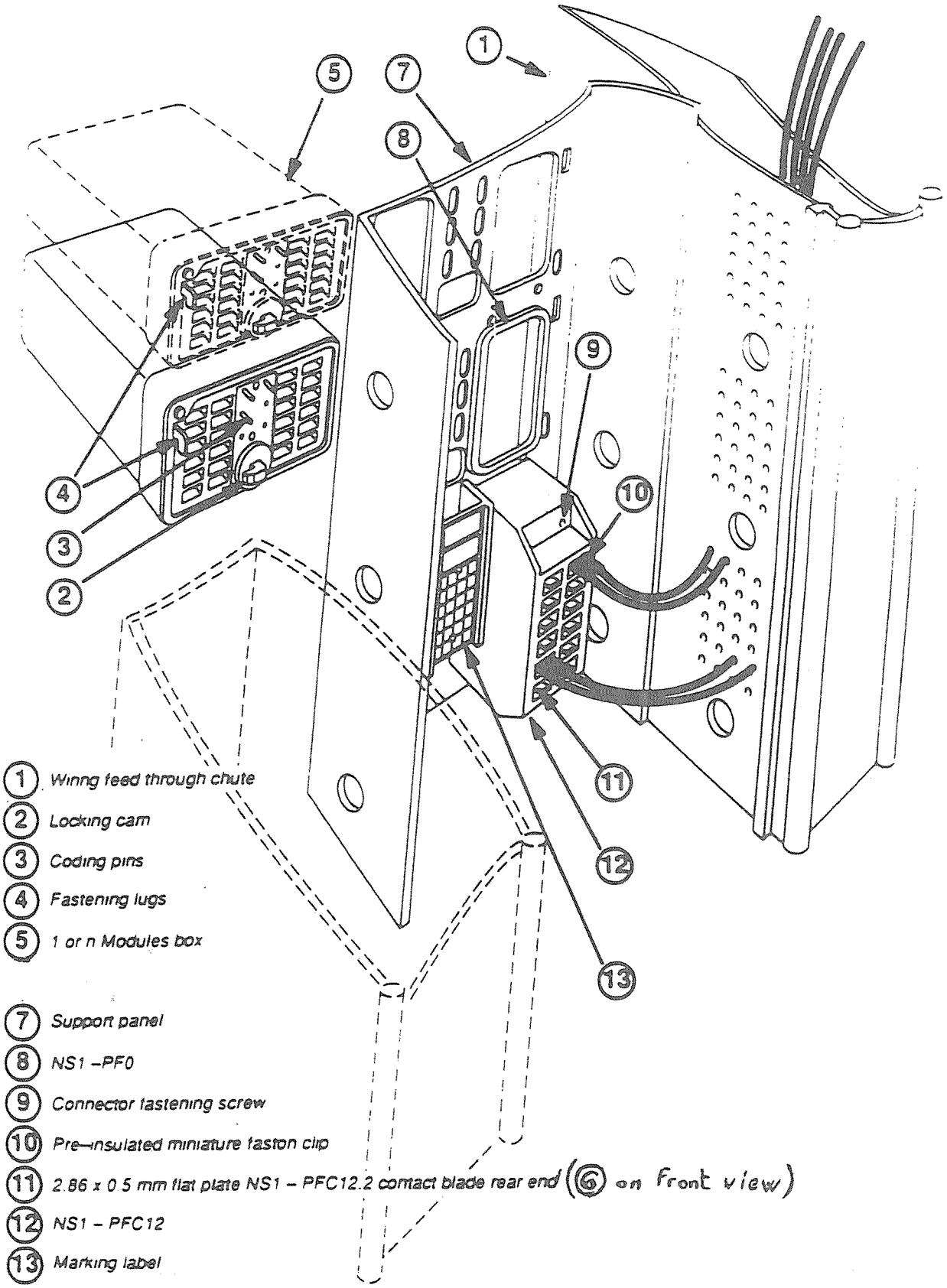
CS TRANSPORT



1. Wiring feed through chute
2. Locking cam
3. Coding pins
4. Fastening lugs
5. 1 or n Modules box

7. Support panel
8. NS1 –PF0
9. Connector fastening screw
10. Pre–insulated miniature faston clip
11. 2.86 x 0.5 mm flat plate NS1 – PFC12.2 contact blade rear end (⑥ on Front view)
12. NS1 – PFC12
13. Marking label

NS1 ASSEMBLING WIRING
REAR VIEW

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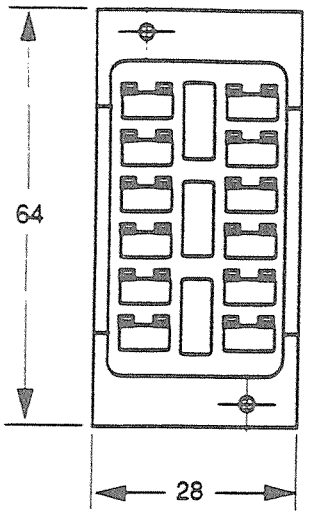
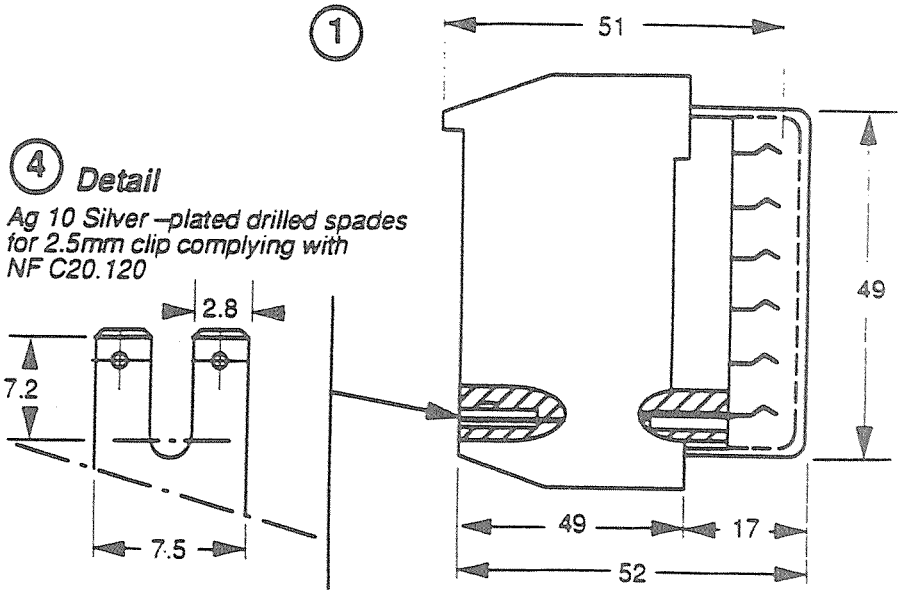
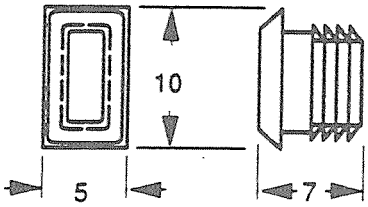
CS TRANSPORT

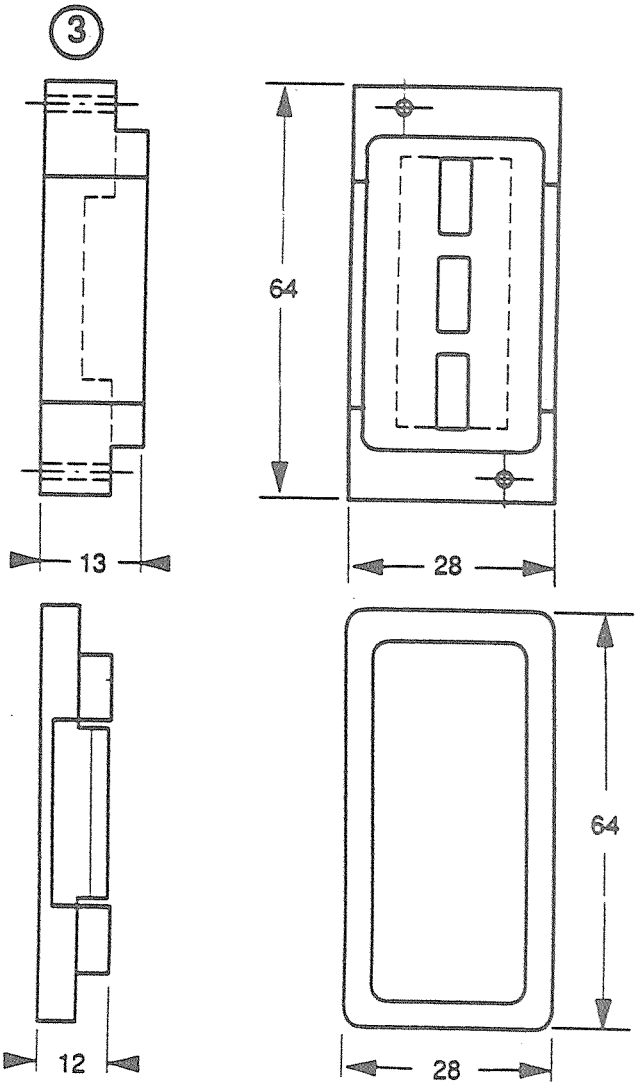




4 Detail

Ag 10 Silver –plated drilled spades for 2.5mm clip complying with NF C20.120





1. *Fixed part of NS1 – PFC12 French version : Bakelite*
2. *Occluding plug*
3. *NS1 – PFCO*
4. *Detail*
5. *NS1 – PFO*

NS1 ASSEMBLING WIRING
Fixed part of NS1 - PFC12 and PFO

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CS TRANSPORT
WIRING SIDE
Label of Marking of Equipment (Function)
Label of reference plugs
Label of Marking of Chutes
Label of half-modules marking
EQUIPMENT SIDE
Label of Marking of Equipment (Function)
Label of Marking of Chutes
Label of half-modules marking

NS1 ASSEMBLING WIRING

Marking principles labels

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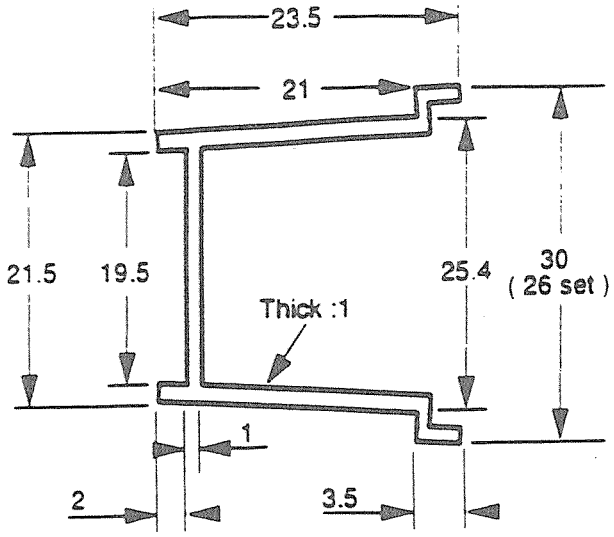

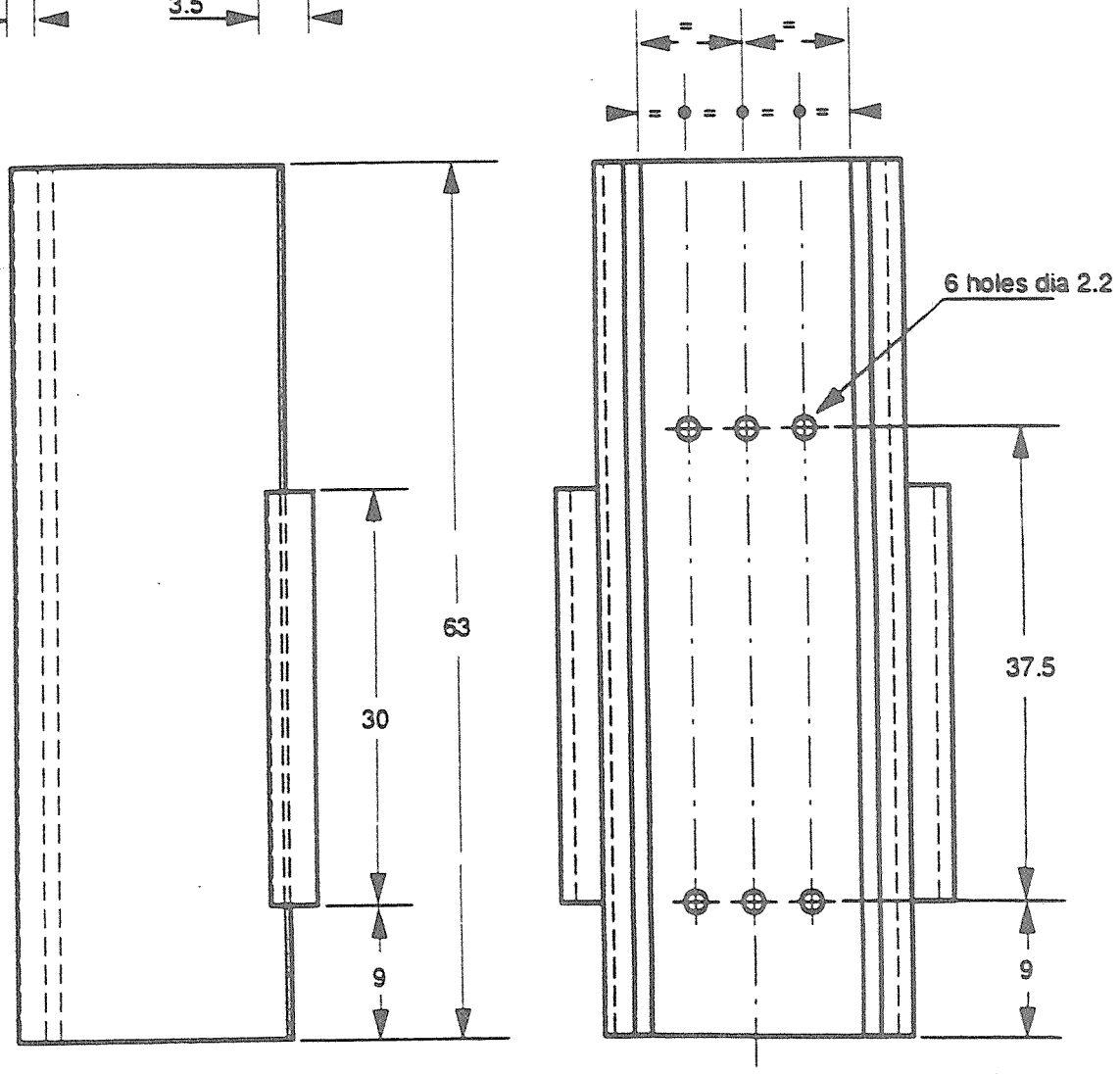

NS1 ASSEMBLING WIRING

Central label support

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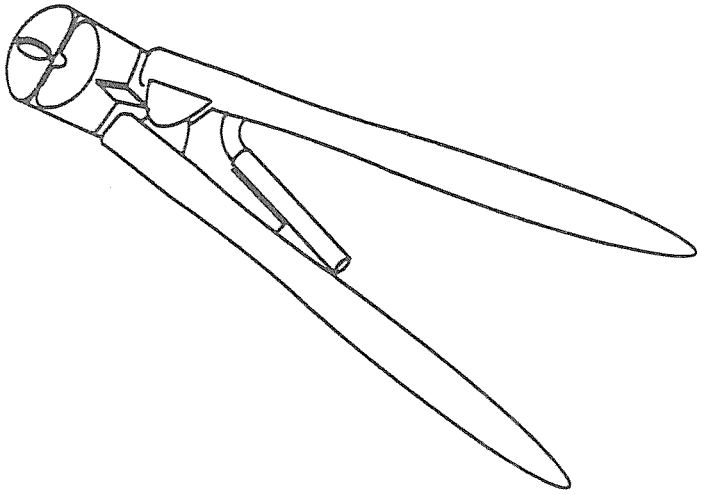
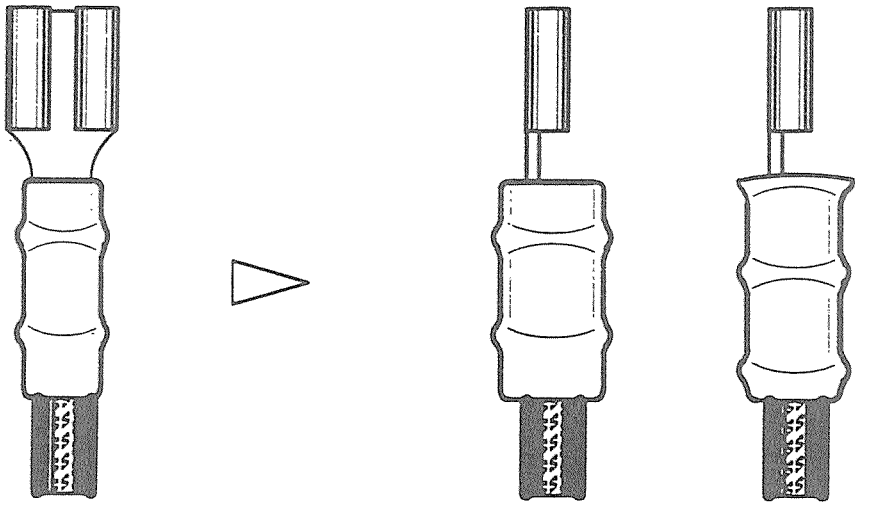
CRIMPING PLIERS





MINIATURE FASTON

GOOD CRIMPING

WRONG CRIMPING

NS1 EQUIPMENT TOOLS AND IMPLEMENTATION
CRIMPING PLIERS

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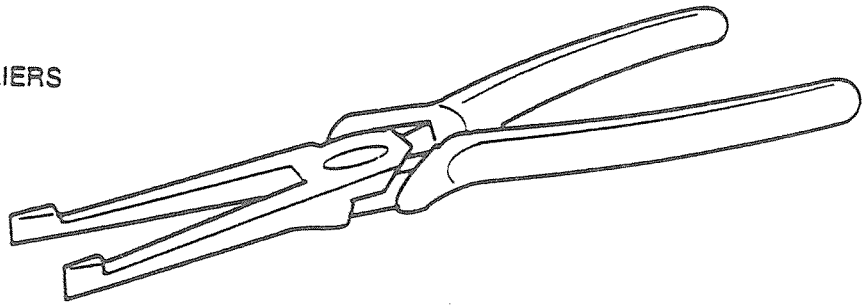
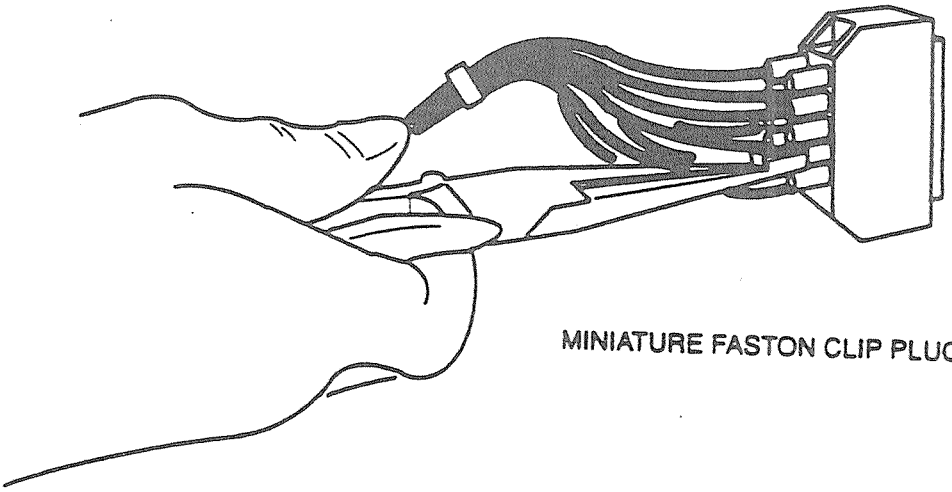
PLUG–IN PLIERS





MINIATURE FASTON CLIP PLUG–IN

NS1 EQUIPMENT TOOLS AND IMPLEMENTATION

PLUG-IN PLIERS

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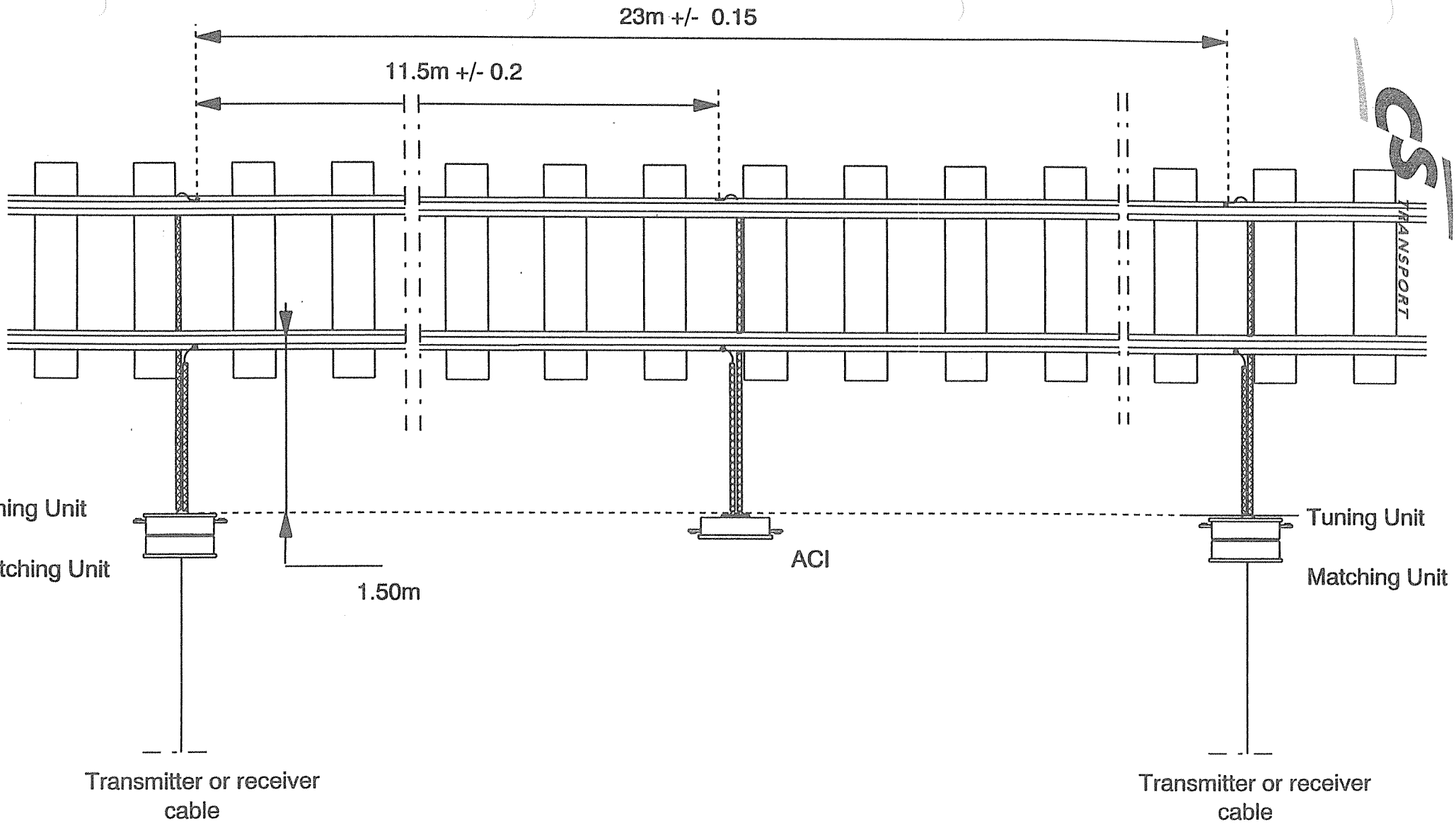

ELECTRICAL SEPARATION JOINT - ESJ

Configuration (Single M.U.)

A013A

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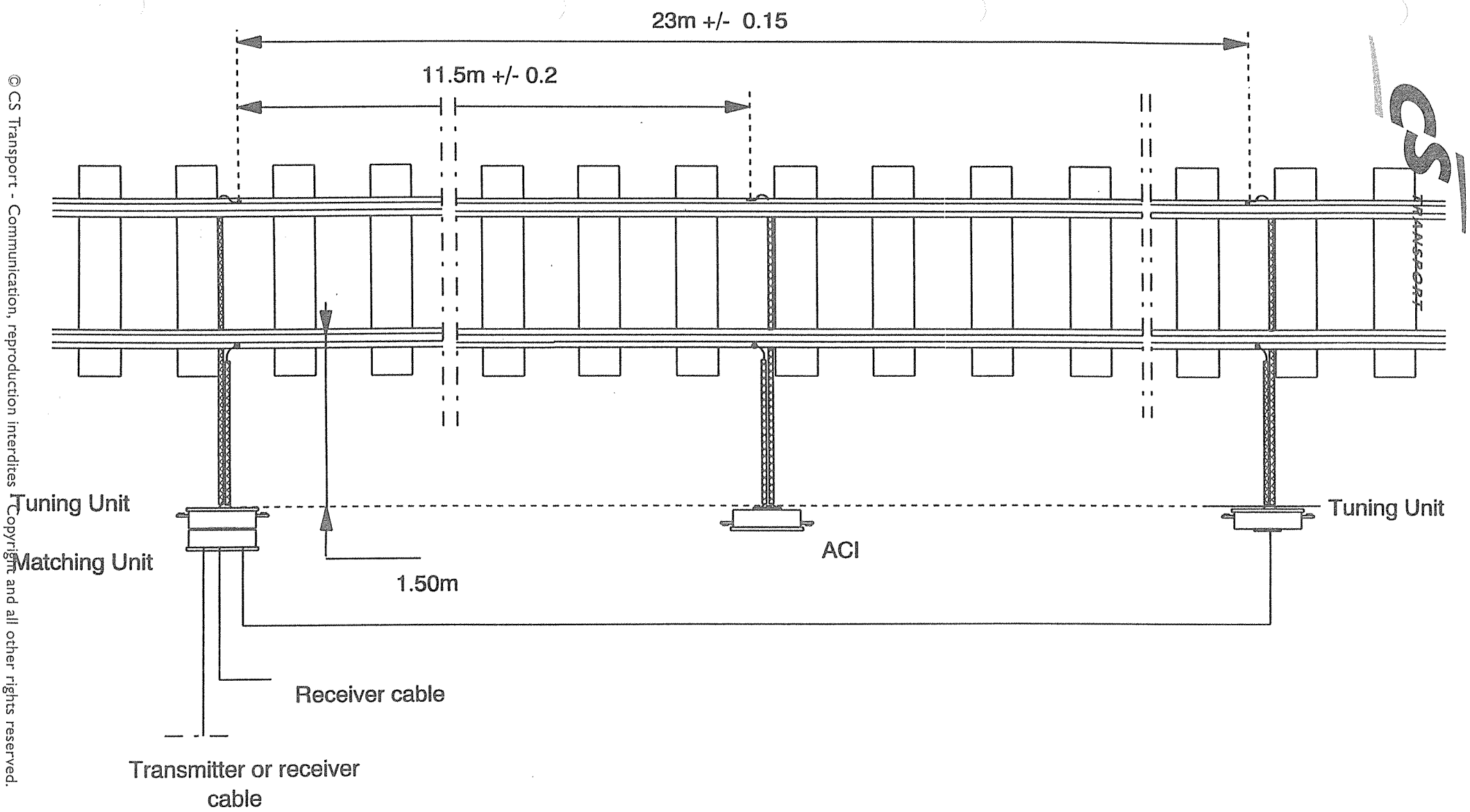

ELECTRICAL SEPARATION JOINT - ESJ

Configuration (Double M.U.)

A013B

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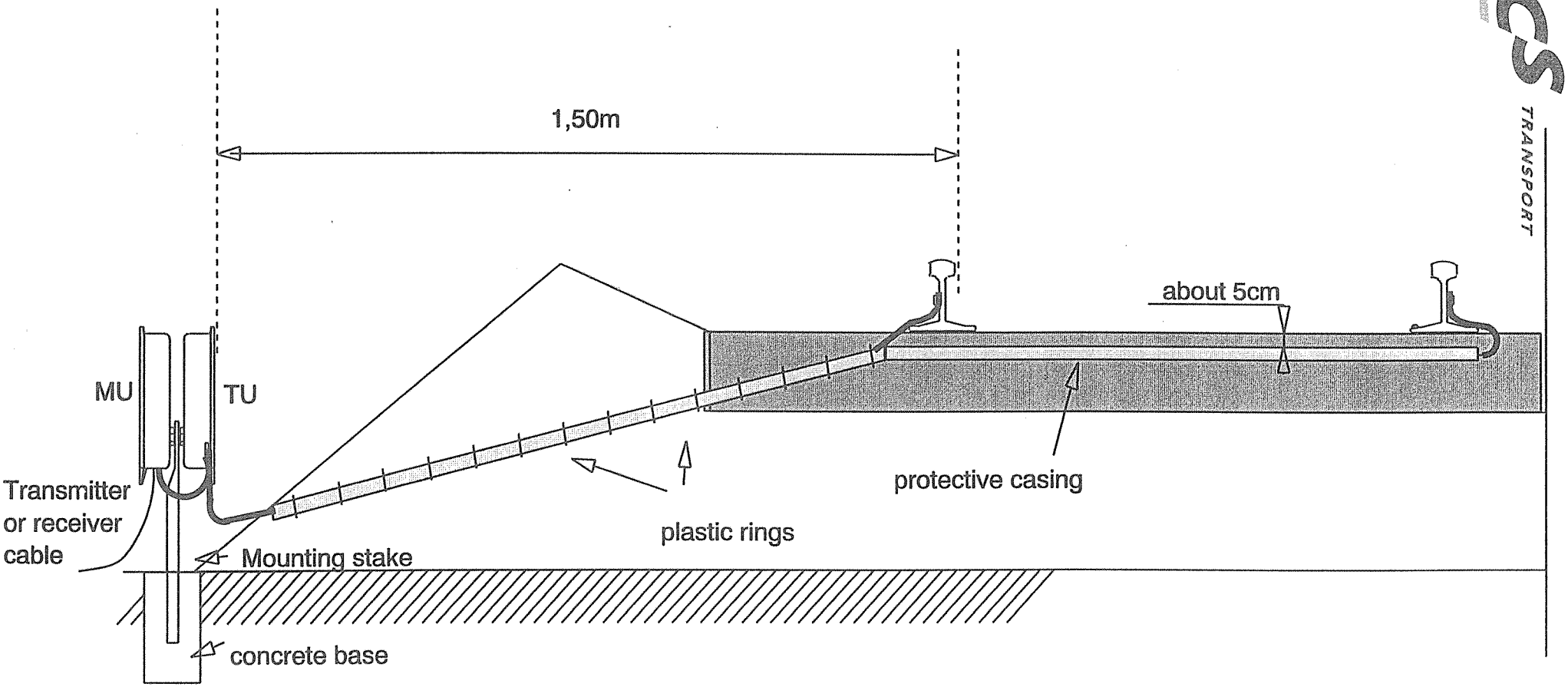

ELECTRICAL SEPARATION JOINT - ESJ

ERECTING PLAN Matching Unit / Tuning Unit

A042

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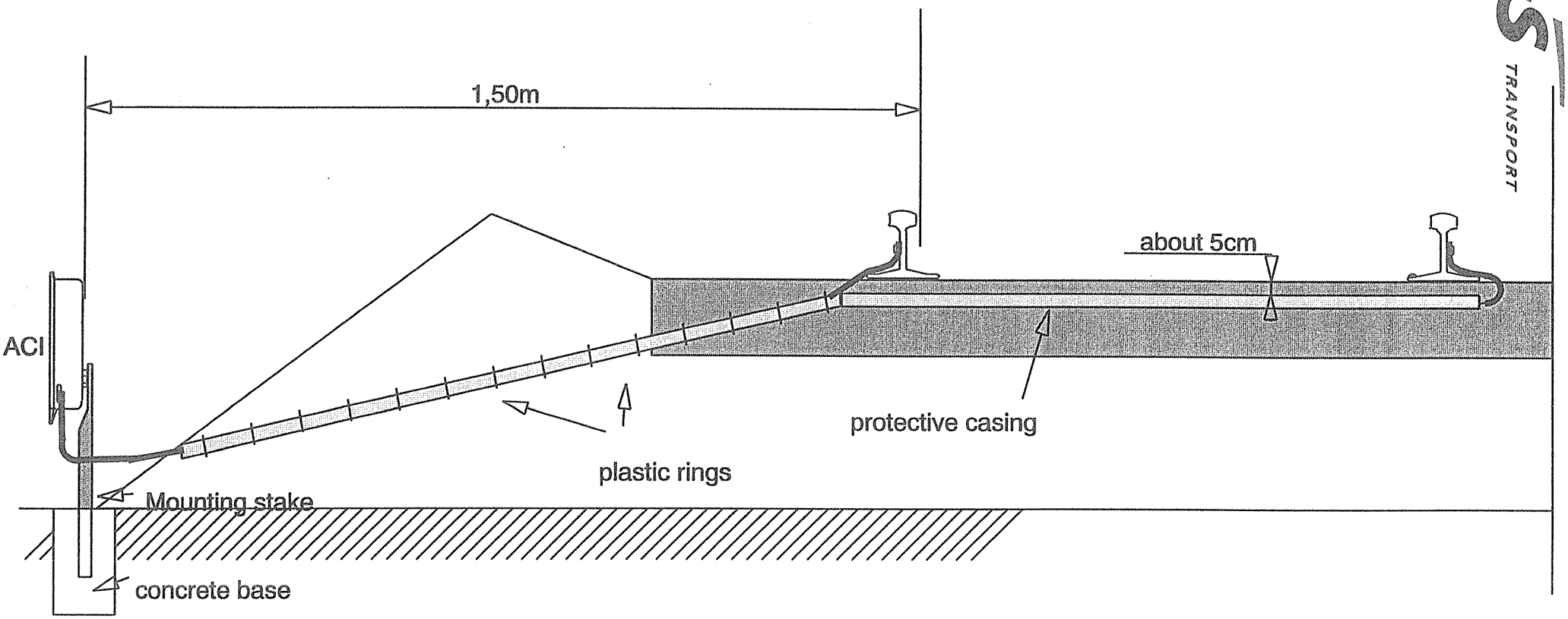

ELECTRICAL SEPARATION JOINT - (ESJ)

ERECTING PLAN AIR CORE INDUCTOR - ACI

A043

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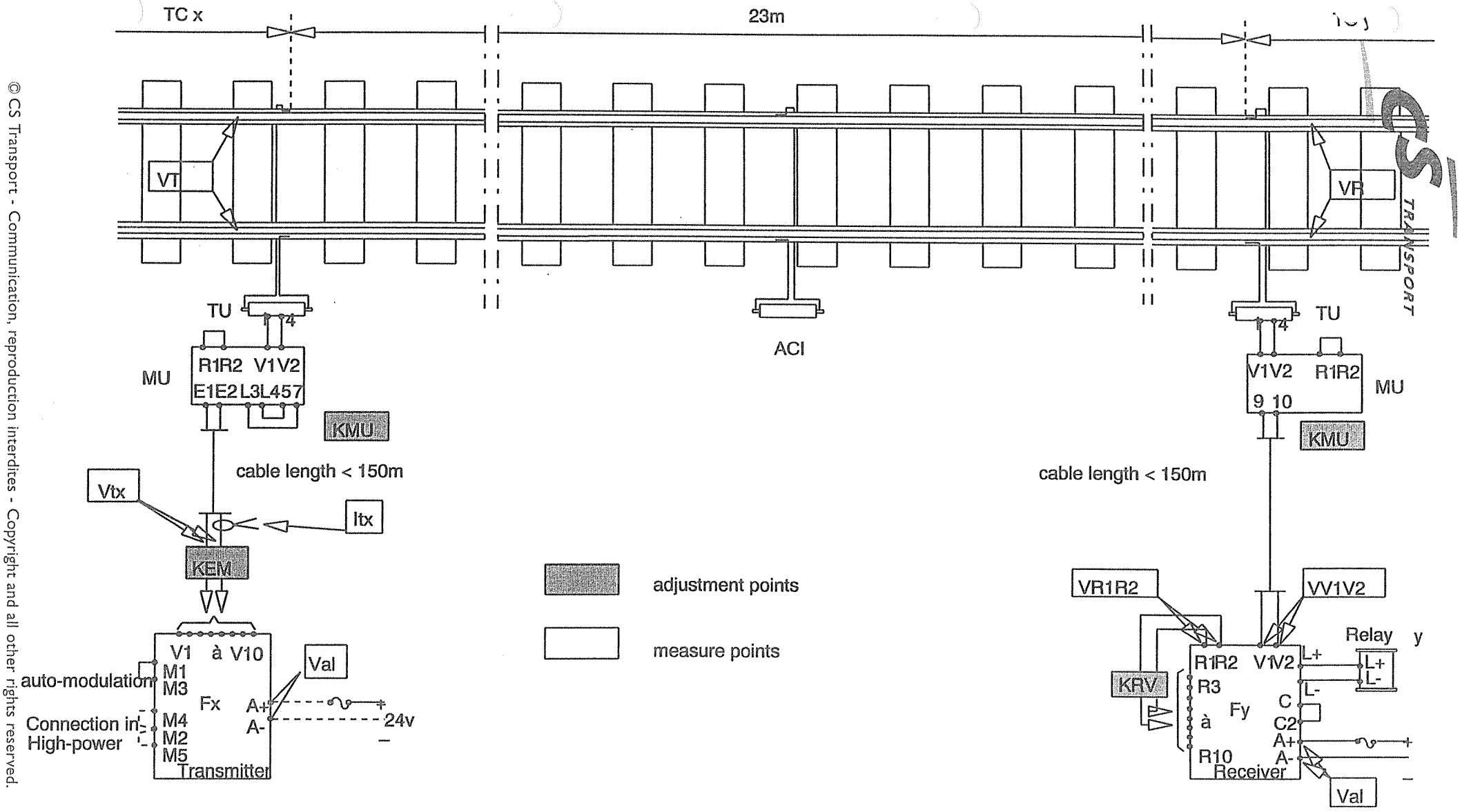

ELECTRICAL SEPARATION JOINT - ESJ

Configuration transmitter/receiver

Cabling, measure and adjustment points

A044

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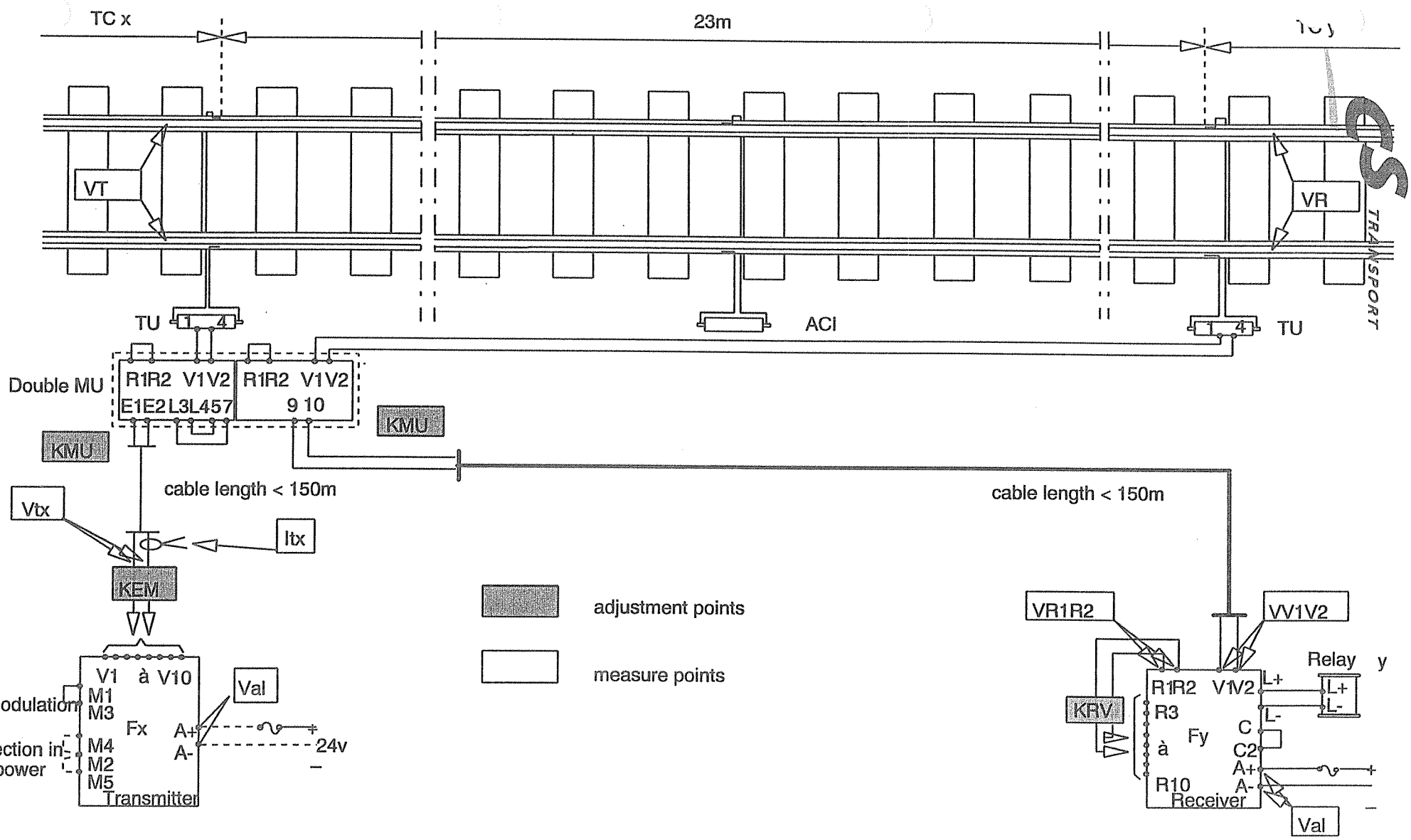

ELECTRICAL SEPARATION JOINT - ESJ

Configuration transmitter/receiver
with one double matching unit
Cabling, measure and adjustment points

A044A

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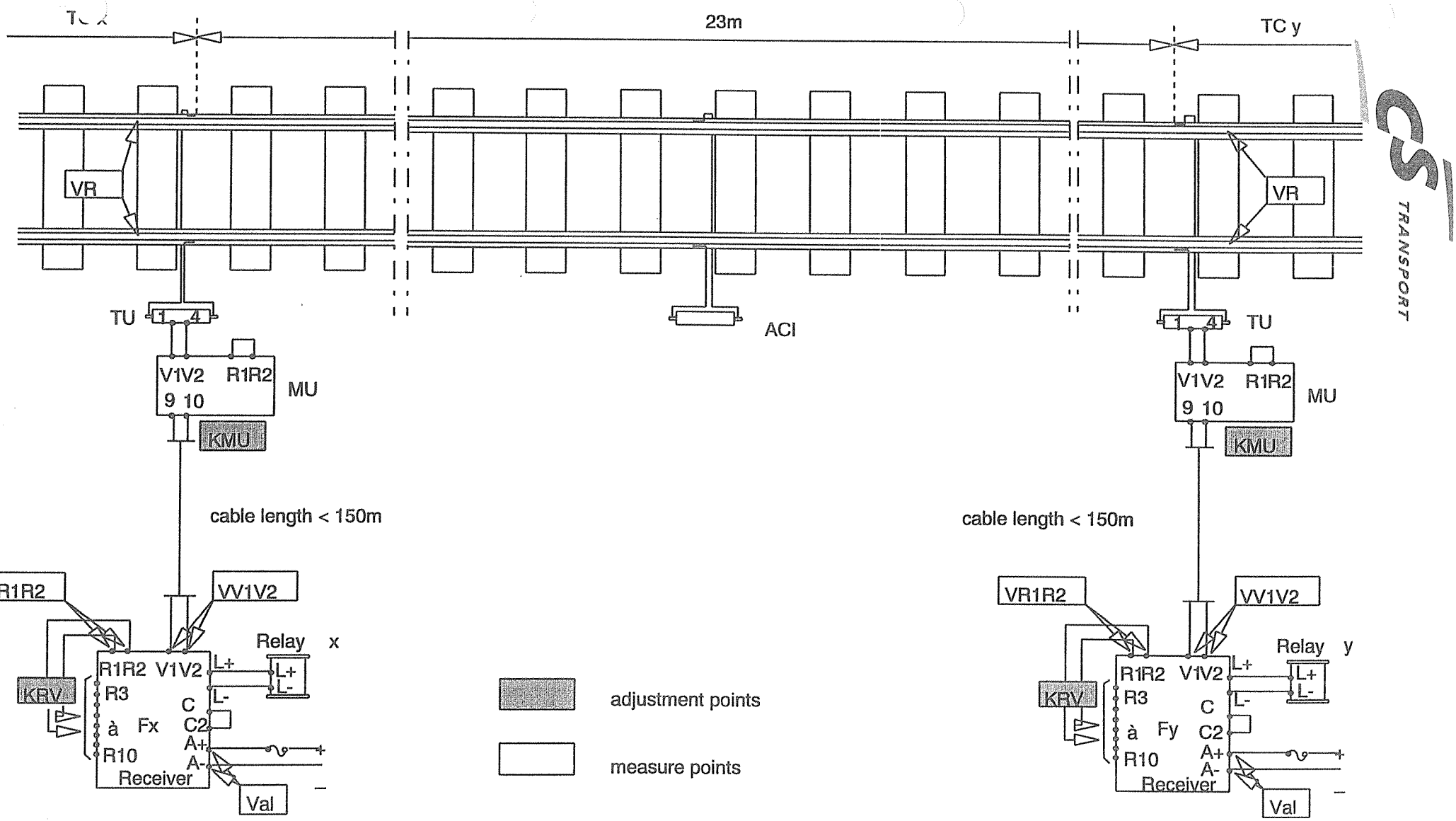

ELECTRICAL SEPARATION JOINT - ESJ

Configuration receiver/receiver

Cabling, measure and adjustment points

A045

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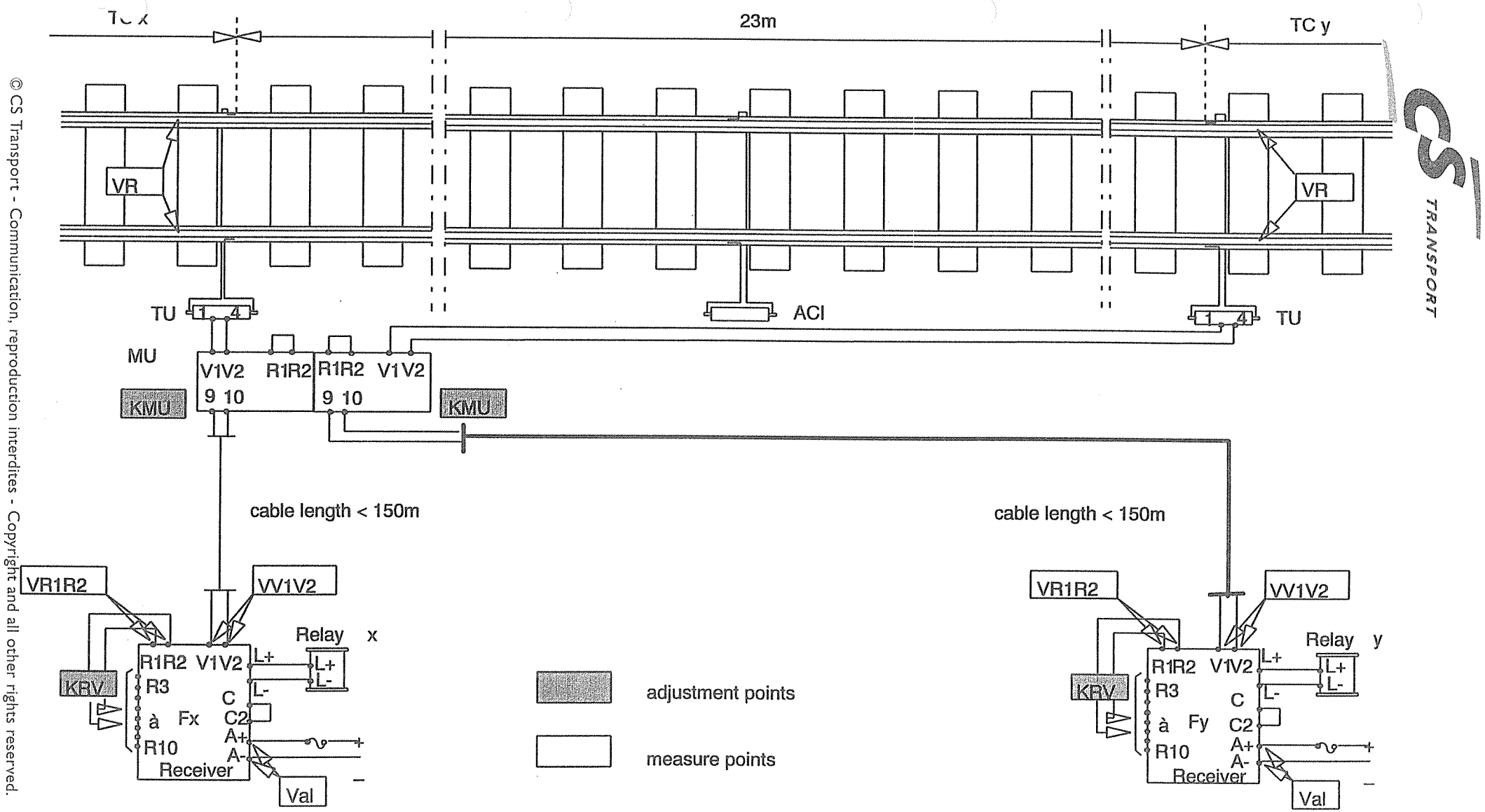

ELECTRICAL SEPARATION JOINT - ESJ

Configuration receiver/receiver
with one double matching unit
Cabling, measure and adjustment points

A045A

APPENDIX 22

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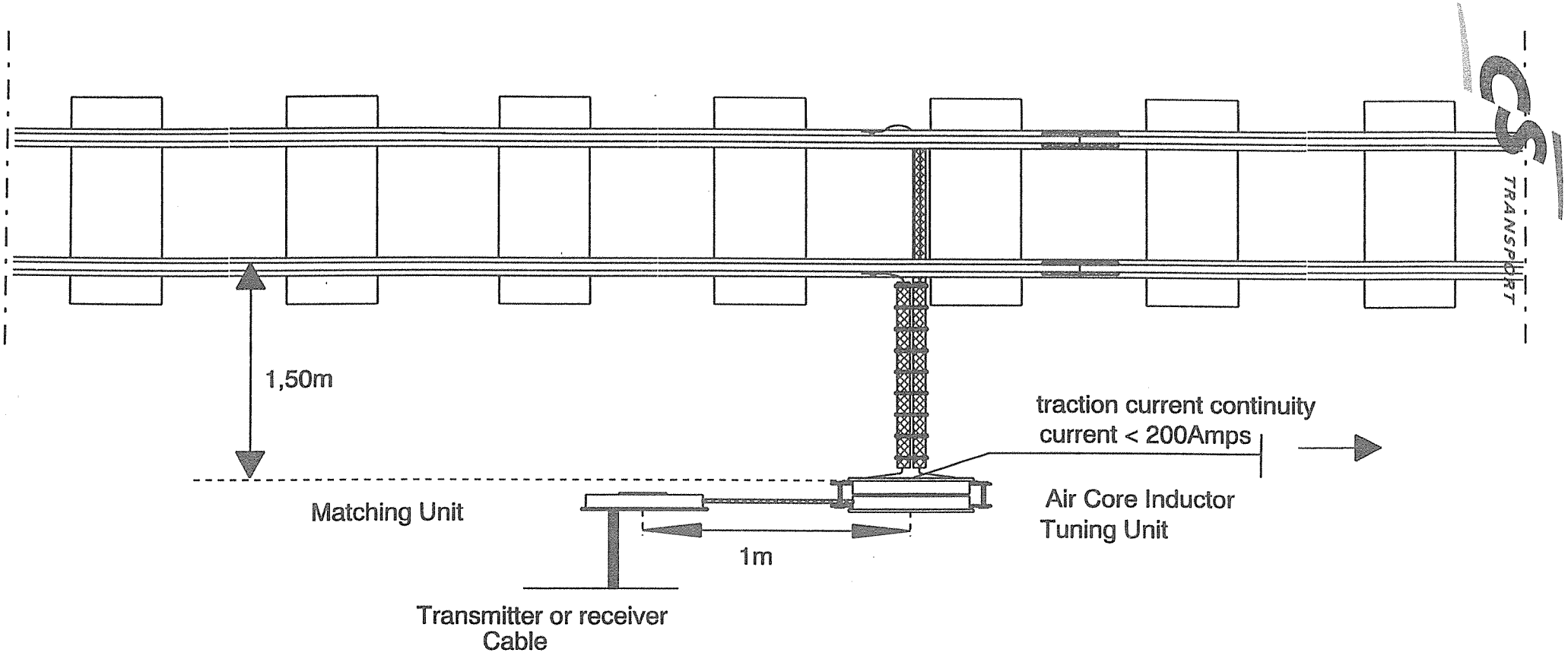

INSULATED RAIL JOINTS - IRJ

current traction < 200 Amps

A014

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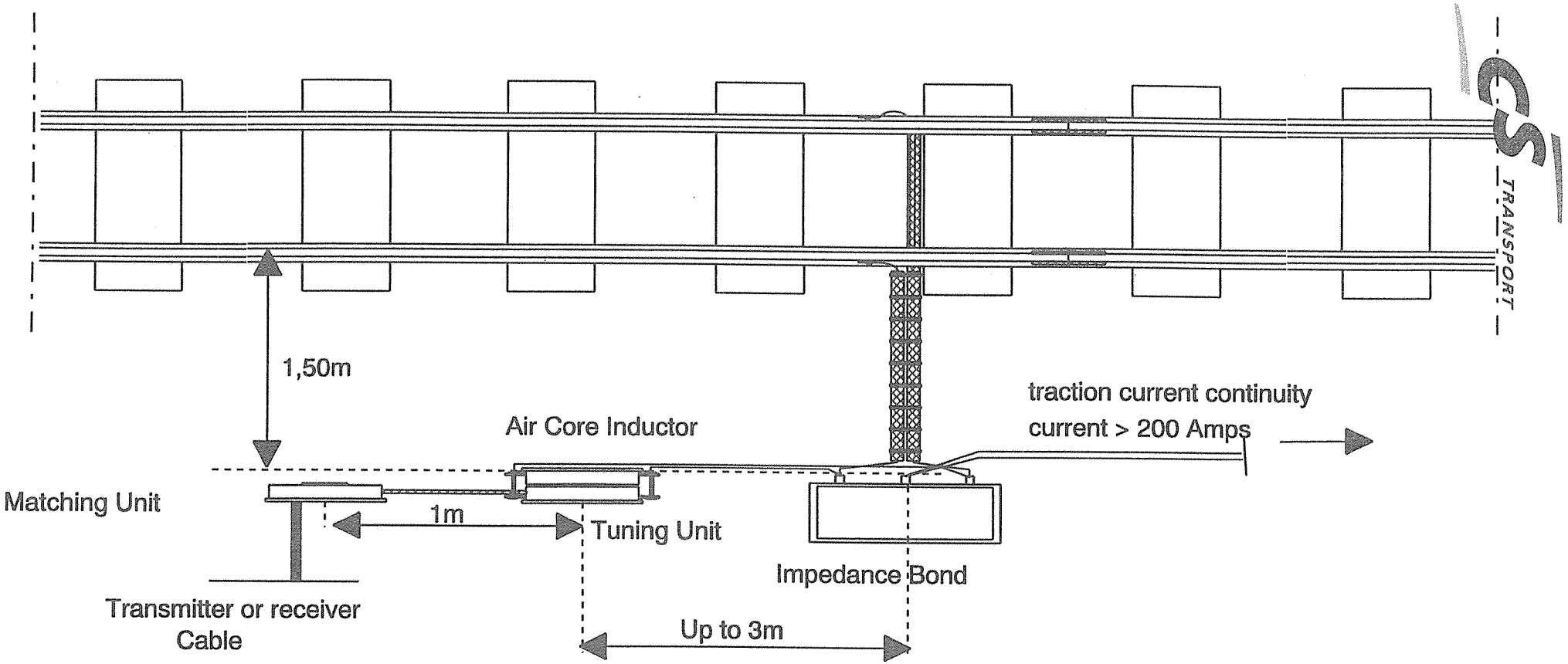

INSULATED RAIL JOINTS - IRJ
Current traction > 200 Amps

A015

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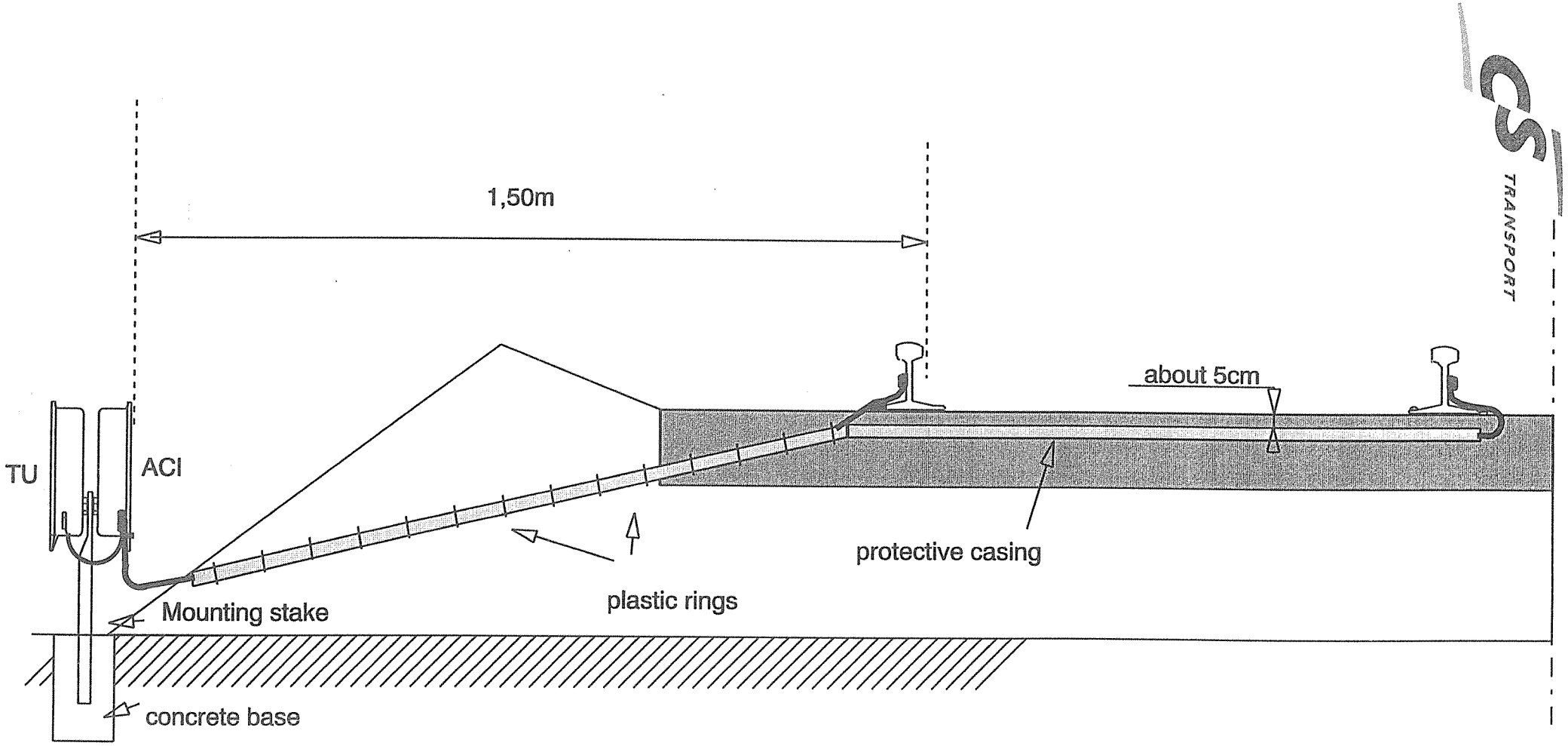

INSULATED RAIL JOINTS - IRJ

ERECTING PLAN Air Core Inductor / Tuning Unit

A048

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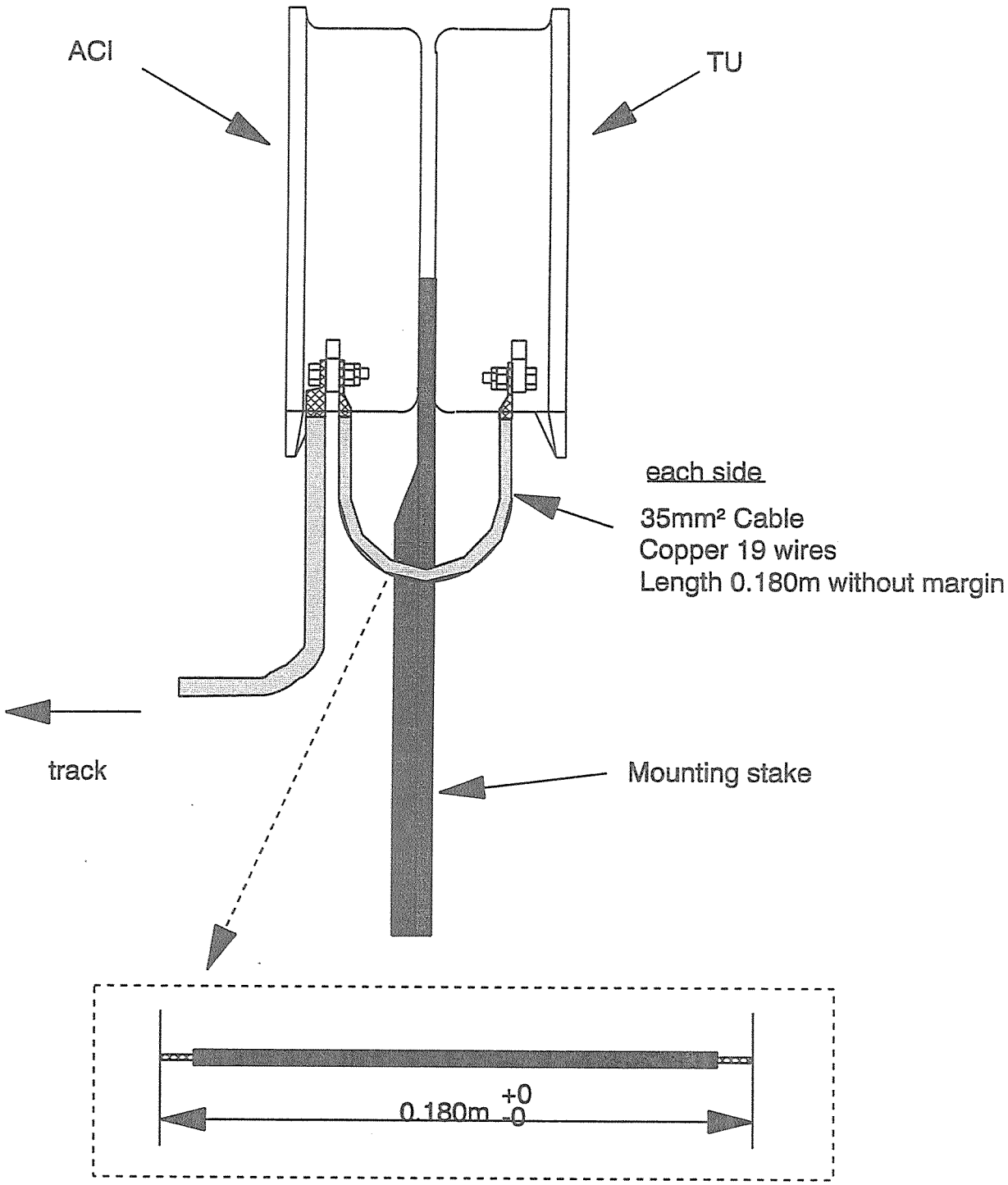

ERECTING PLAN ACI / TU

DETAIL OF ASSEMBLING

A049

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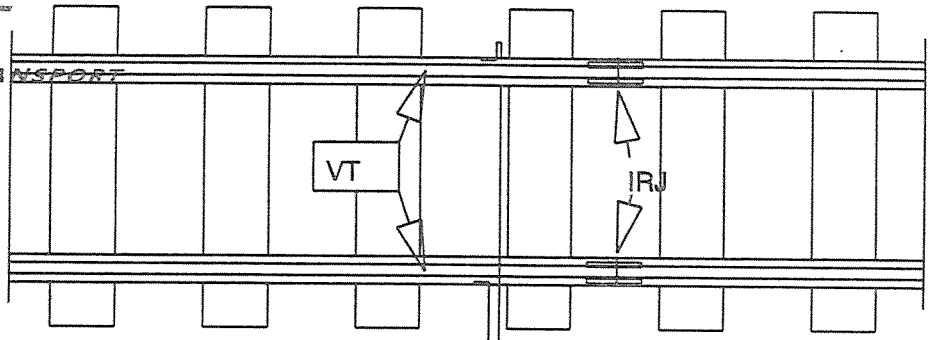
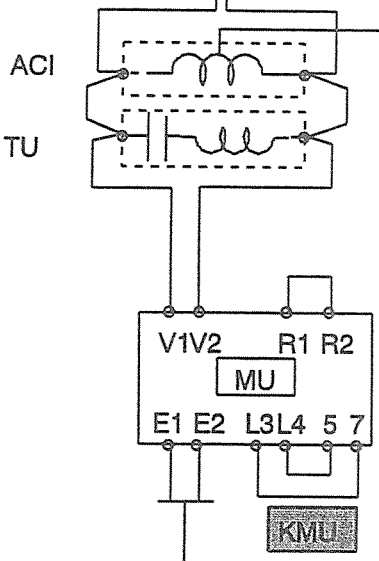
UM 71 Track circuit



continuity return

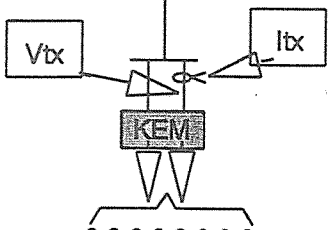
traction circuits
current < 200 Amps

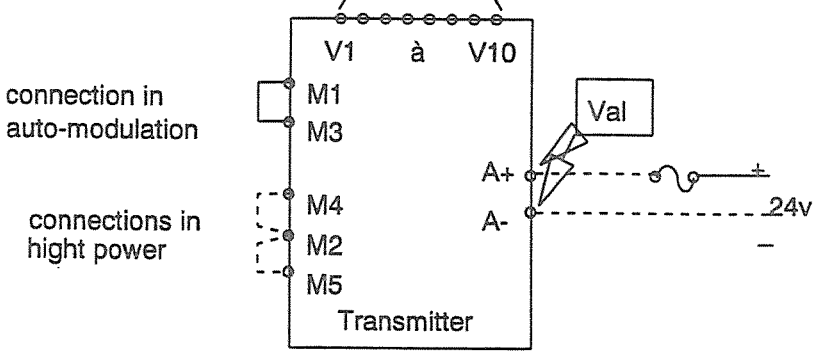


Adjustment points

Measure points

cable length < 150m





INSULATED RAIL JOINTS - IRJ
Configuration TRANSMITTER

Without impedance bond

Cabling, measure and adjustment points

A050

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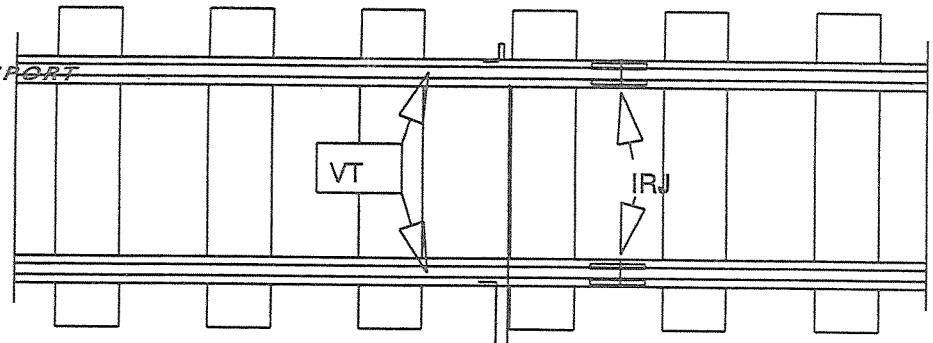
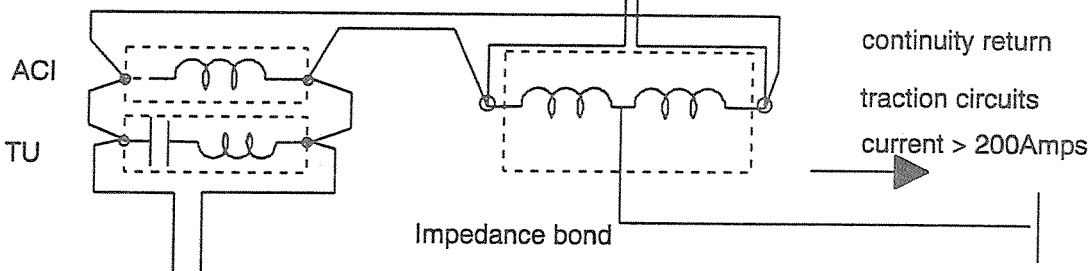
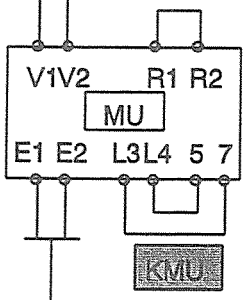
CS TRANSPORT

UM 71 Track circuit



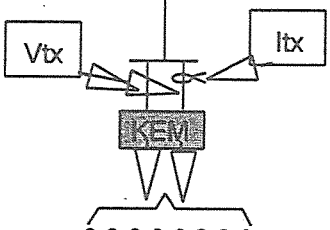


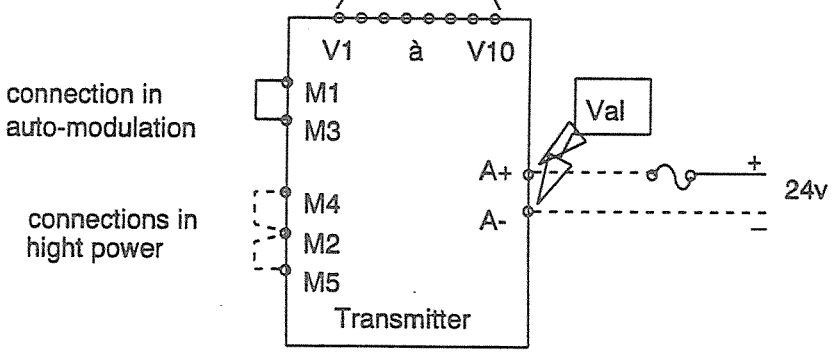


cable length < 150m

Adjustment points

Measure points





INSULATED RAIL JOINTS - IRJ
Configuration TRANSMITTER
With Impedance Bond - IB

Cabling, measure and adjustment points

A051

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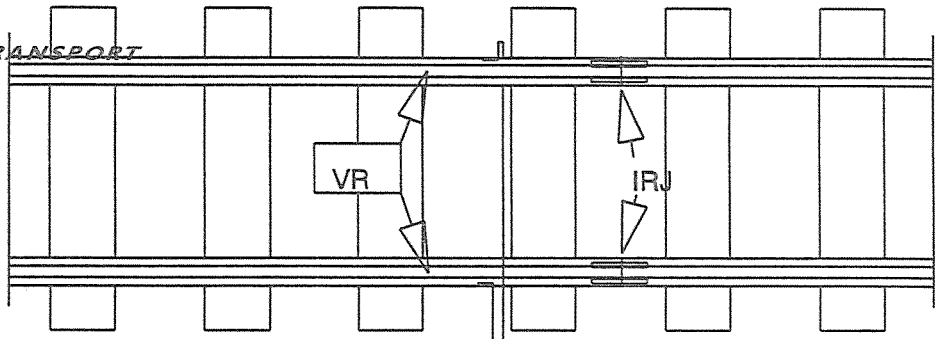
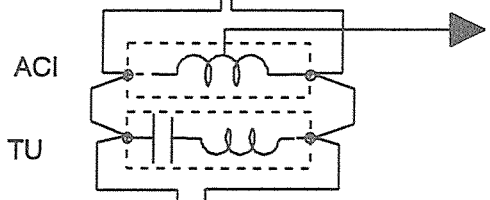
UM 71 Track circuit

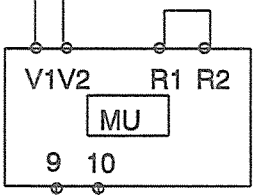


continuity return

traction circuits

current < 200 Amps



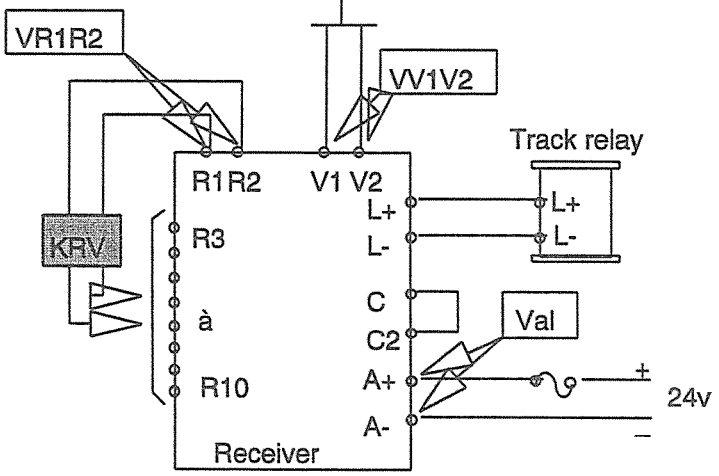


KMU

Adjustment points

Measure points

cable length < 150m



INSULATED RAIL JOINTS - IRJ

Configuration RECEIVER

Without impedance bond

Cabling, measure and adjustment points

A052

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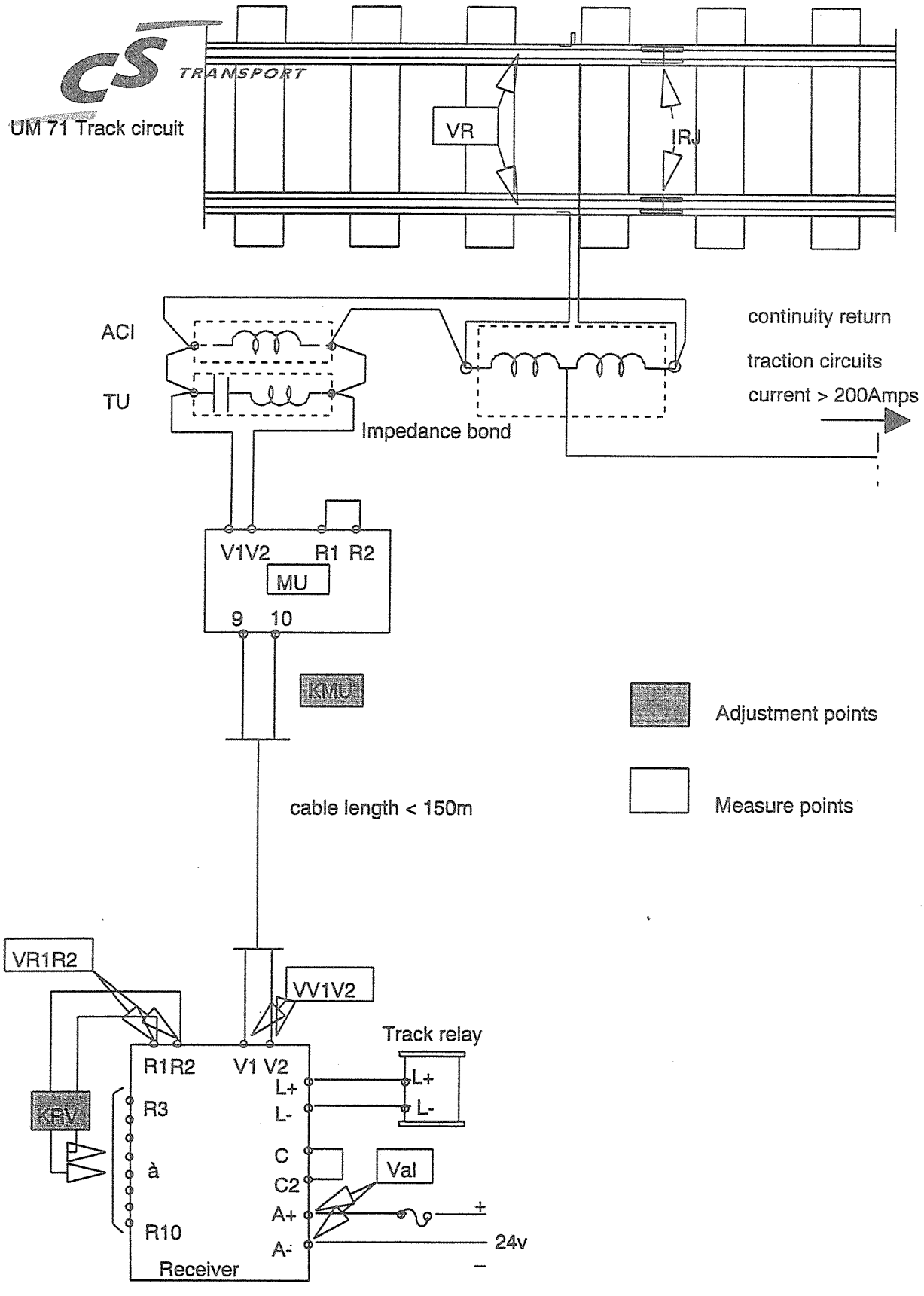

INSULATED RAIL JOINTS - IRJ
Configuration RECEIVER
With Impedance Bond - IB

Cabling, measure and adjustment points

A053

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